

SEQUENCE LISTING

<110> Horne, Darci T.
Vockley, Joseph G.
Scherf, Uwe
Gene Logic, Inc.

<120> Gene Expression Profiles in Liver Cancer

<130> 44921-5028-WO

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<141>

<150> US 60/211,379

<151> 2000-06-14

<150> US 60/237,054

<151> 2000-10-02

<160> 3950

<170> PatentIn Ver. 2.1

<210> 1

<211> 282

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA001409

<400> 1

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<210> 2

<211> 507

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA001504

<220>

<221> unsure

<222> (1) .. (507)

<223> n = a or c or g or t

<400> 2

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tgaacaggga gagtttagag tgagggttga catttcaact ttagcatatt gtttaacagc 240
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aatctgaaaa tccacaatct aagaaatngg aaactctact ctttttcggg gggctccatc 360
tcantggcac cactgggaaa ttnttggttn gcctgggacac actggtaacc aattactggg 420
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aggatgacca ngggtaaaag agggacc

507

<210> 3

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA001603

<220>

<221> unsure

<222> (1) .. (244)

<223> n = a or c or g or t

<400> 3

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ccagggaag ggtgacatcc tgccacgtgt gtgccacaag accagcaaca ggagcaggcg 120
accagagctt aaccccatgg gangacactg ggaaaggagg caaacacac acttcagaat 180
tattccaactc cagctgcaga gagctccggt ggtatttttc caccaggacc tcagctacac 240
atgc 244
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<210> 4

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA001604

<400> 4

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ttcccttctg ctgtgatttg ttgtcttccc tctgtctcatt ccccttgtgt ctgtttcttc 180
cctcctctcc ccatgctccc tctgttgtca tttcccctta ctctccactg caccagcct 240
ctgttcataa tttttactgc aattccgatg attgaattat aaactggaag ggagcaggga 300
tattgatctt catgtagtgt gacatgtact agactcacgg agaacaagga ctgggttgta 360
ggcacaatgc tgtgtgggtt ttgggtaaat ctaactcaca ctcaacttga ttttgttttc 420
c 421
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<210> 5

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA001902

<220>

<221> unsure

<222> (1) .. (387)

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<400> 5

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tctatttctt ctcttaaaaa attaaaattt caaattaagt accaatgacc aaataagtaa 180
caaacacatt cagaaacata ctatatgtct acaaagaata cttcaaaatg tgcctccaaa 240
cttcaggcac ataattccaa tttttattga atgtagagat tttatgaaaa caantccaan 300
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ttacatgggc agaatacata ccactat 387
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<210> 6
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA001903

<220>
 <221> unsure
 <222> (1)..(202)
 <223> n = a or c or g or t

<400> 6
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 nattaataat ataggaataa tgaataatat atatttatat ggtaaaatat ggaattttta 180
 taccnagggtt ttaaaancct gg 202

<210> 7
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA004231

<220>
 <221> unsure
 <222> (1)..(455)
 <223> n = a or c or g or t

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 taaagtcata ggtaggccc ttctcccggg taggtctgga catgcacacc aggagtgcacg 120
 ttcccaactc tagataacta tgtgctaggc tctgggctaa gtgctttaca taatgttgct 180
 caggacaaca ggacaaccct atgatttagg tgcacccatt ctacttgagag ggattgaggc 240
 ttagatgtta acgtaacttg cctaagggtta gagccattaa gtttcaggag tctgatctga 300
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 ttgctcagca gctggtctgt ggctagtttg gttgg 455

<210> 8
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA004521

<400> 8
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 aagccatgat gggcactcct tttggttgct caggccttga ttgcctgtca tccagggtccc 120
 ttggtctgag aagtctatgc ggtcacctca gagccgctaa gcaccttcag tgggcccac 180
 ccattggcgg cgtactcctg ctggagccgg gcacggtaat agaagaggta ggaaggcaac 240
 aggaatccca ggagtgcaga tagcaggagg cccagattca cctttaggag aaggagagag 300
 aaacagagtc aagtaggtag tcatctgccc ttagcctccc acaggggagaa gaaaggcggc 360
 cttttttctc caggctcctg agccagaata aatacagcta gtacttatta tgtgtagtca 420
 ttgttccacc agtatctcac ttaattgttc gcaattc 457

<210> 9
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA004669

<220>
 <221> unsure
 <222> (1)..(447)
 <223> n = a or c or g or t

<400> 9
 aacactagaa agcacttttta ttttttcaaa acacaaatat aaatgctatg tcatgatatt 60
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 gttcctacag gatcttgggt tggatngttc cgtttgattt nattttaaaa ataataaatc 180
 acaaaaactaa aacgtttgag caagggtcact taaccctctc cccagggtgg tagttattat 240
 taccatcatc atcctcctca acatcattat tacttttcag ctacatggtt aaaagaggag 300
 atctttaaat atgtcagctt aactggggga aaatgtgtcc cctgggcanc aaggtnnggtt 360
 ttccagaatg aaaaagcccc atctttcaca aagagctttt ggtcctctgg cgtttatttt 420
 taaagtggcg gaccctgggt ggggagg 447

<210> 10
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA004707

<220>
 <221> unsure
 <222> (1)..(427)
 <223> n = a or c or g or t

<400> 10
 ttcccaaagc aaaataaaac tttcatttgc caagggaaca ccacagcagc tctgcccctg 60
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 gtgctcgccc tggaggacag caacagagcc aagggtgaggt cctgctcaaa ggtgggcagg 180
 gggctgcgct gactccttcc ggcccttgcc agcgatgggc cggcctcgct cctcccagat 240
 ggtgaggcca tcgcaagagc agatctgctt ggggttctg aaaaggccag cggagttgnc 300
 aattgatgcc acaggcaacc tctccccgga gttccctgtg atcttgata agggatggcc 360
 tccccggccc aggtcatctt ctccctcatc aataatcagg ctgcggccaa tcacatccca 420
 caccttc 427

<210> 11
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA004905

<220>
 <221> unsure
 <222> (1)..(431)
 <223> n = a or c or g or t

<400> 11
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ctctggctgg gcagtcaaga gagcgggctc aaattctgtg actcacttct ctgtgtctcg 120
 gttggaaatg aatgggtatc ctgggtccca ccttcccaca cgctgtgata cttcaaactc 180
 cttgggtgaa gggcctcttc tcagcccaag atcttgattg tgaacattaa caaagagaac 240
 agtcatcctc cacagaagat aactcattaa tgacatttga ttcagtgaat aaatatatca 300
 tttaaaaaaa tattgtaggg ggatcatgaa agtagtggag gtaattacaa tcaggagaga 360
 ttggttatta aaattngagc aaagtcccaa ctctcaccag atgacaatta tgcacccctgc 420
 tagatgcccc n 431

<210> 12
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA005202

<400> 12
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 tggctgtaat tcataaacac cttcaaggct gtttctgaaa cccactgaat tttctctgga 180
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 taagtctgcc ttattgcatt tcaaagtgtc gggggccacc ctcagctttc aggaagtggg 300
 agccaaggca gcctgacctg ggacacactg gtgatgggtt tataaagtgc ttctatgtct 360
 catgtcatgt gtcaccagat ggtgtggcac aagggaactt ca 402

<210> 13
 <211> 349
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA005262

<220>
 <221> unsure
 <222> (1)..(349)
 <223> n = a or c or g or t

<400> 13
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 tagagattag ggtttggtct attaaaaaaa atctttgctt gctggaactg caagcttggc 120
 ttccctgcaa gctcaatagg ttctggagct catttaccat gtcgctcgct ggatcccaga 180
 aagttgcccc tggtcagcta agtgacggaa gactatacga ctaagcctcc agcgccgctt 240
 cacaccacgc ggacgggacg gtcataaacac acccgatttc tggattctaa canggaacang 300
 ctaatccccg ggggatgggg caagcaattt cttcattcaa ggccanatt 349

<210> 14
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA005358

<220>
 <221> unsure
 <222> (1)..(409)
 <223> n = a or c or g or t

<400> 14
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ggaggccttcg ggtgtggtgc agtcagggct tcaactccgg gtctatgtga ttaccctggc 120
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tggtacctc ctgagcagga gggaattctg cctgaatcac tggacaatgg ttggaggatg 240
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ccttagcttc tcttcacatc attttcctaa tctngtaata tggctngtac aaattcttag 360
nccaaactcc ttagcatggn cggtggagtc ccttncgcat ctgggattc 409

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<210> 15
<211> 287
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA007158

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<400> 15
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ctacactatt atttaaaaaa aaaactcaca aaaagaaaaa tgttatcact acaagtagga 180
attagaagag agaaatcctg gcagtcctgt tagaggttaa aacatttcat gcatttgtga 240
gttgctgttg gagagtttgt tttttatttg tccaccgtaa tctggca 287

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<210> 16
<211> 295
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA007160

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<400> 16
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aaaaggggag gcagggcagt ttcacatttt ttgaaagggtg gtggacgaca actacacttg 180
tccttaaagt aaaataaaaag caggagagac ccagcagaga ccaacctgat ttgcagttag 240
catcagaatc taaatctagt atcacaaact taagaaacta aaagaaaact attag 295

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<210> 17
<211> 465
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA007395

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<400> 17
gccaatctag ttttatttat tatctcttca ttccccactt tcaacttccc agaactaatt 60
ttaaacaatt tctaaagatg atatgattct attcataaac actagttatt attattattt 120
aacataggga atattcatat atataacagg tacaaagtct ataataattta aagctctttt 180
atgttcccat attaaatgta aatatttggt taaacgcagt gctttccttg gttcatcaaa 240
tcaggtaata aattaaccag gcaggttcac attcaatcag atagtattcc gaattgctcc 300
tggcatcttc aaaagatgag gattgttcgg atgctttttc cttggttcat taggtcaaatt 360
gcctcactga ttttgtcaaa aggcagggtg tgggtcacca gtgcatccag attgaatttc 420
ttattcttat agtcagtgc cagctttggg atagaatcta cactt 465

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<210> 18
<211> 378
<212> DNA
<213> Homo sapiens

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<220>

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<223> Genbank Accession No. AA007507

<400> 18

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gattcatcat gactgacatg gtgtgtcaca aagagctcca agtaaagtct gtgaaggaag 180
aggatgagga tggagatgag gatcctgaga agggcccaga ctggctgccc aacccatgga 240
cctgaggcct gagtaaggct gggagctgct ttcccctctg cccaggaact ctgtccaggg 300
gcgattctaa ggcacagtgg tgaaggacat gattggtccc ccaagtgtgg tcctcaggtc 360
tcatggcagc cactcgcc 378
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<210> 19

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA007629

<400> 19

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taacctcttg gggagcagct ctggacactc agtaccaga cctgggctca gcaaggcctg 180
gggtgactgt gcccctcact cctgctgcct gatctgggca gccaccctt cactggtaag 240
acagaattct caagggatag gcgca 265
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<210> 20

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA009719

<400> 20

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ttaaaagaca gggttctgac attcagagat ttctgtttct ctatccatca tttttgggca 180
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acttcccca ggaggccagg taggcatacc agaacagagc tgccagggtg gcgaagagca 360
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cagttcatcc tcagcgccgg cca 443
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<210> 21

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA009913

<400> 21

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cagtagccac taaatacatg tggctaaact taaatttaag ttaattaaga ttaaaagctc 180
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ctacaggata tgccatcatg gcagaaagt ctattgggtg gacagtgttg gtctatactg 300
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<210> 22

<211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA010065

<400> 22
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 ttacagtaac ctacttgcag ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct 180
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<210> 23
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA010205

<400> 23
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 gagggcgcaa tggaaatgtc tgagaaaaaa tgctgcctct gccaacgagg agtcccattg 180
 gcttgacgac ctcatggatc tgatttactt cttcacgggg aagaggccga cagcttatct 240
 tatcctgcac catttctatg cctatcatga ggcctttgcc tcgggacggt ctccaacaat 300
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 ttggactggt ttttcccggg aagaattttc 390

<210> 24
 <211> 258
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA010360

<400> 24
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 cttactgtca ggatgaagcc tttatgttta catccaagaa ctgagttcac tgatgtcaac 180
 acctaaggga atgttctttg aaccacacag cagagacaat tgtcatcacc ttggttacag 240
 ctgtatctca gattggtc 258

<210> 25
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA010530

<220>
 <221> unsure
 <222> (1)..(444)

<223> n = a or c or g or t

<400> 25

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tatgcaaggc ancatgaatt aaatacttat gtcagaacat atttgtctta cattattcaa 120
gataaagtgg attttaaaag caagttgggt accaatgatn ggggagattg aggagaatag 180
ggcaggcagc aacagggcaa catgcatttt tcaagagtgt ttattaaaat aggcagtaat 240
cagtacatgt acatcatatg agcagttttt caaaattagc acttccagga gaggggctac 300
atctcagttt tttctgtctg tacagtaaaa tgccaaaagt acttccctaa agtacaaagg 360
catttcctta gtagtcttgg taccagtaac aatatgatta ctaaacatct ccaatgtggg 420
ttttcattac aaagaaacat gttt 444
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<210> 26

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA010605

<220>

<221> unsure

<222> (1)..(465)

<223> n = a or c or g or t

<400> 26

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gcaccgggtt ggggtgaagat ctgcaggagg tagcctttct cgctcgtagtc caccaggatt 420
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<210> 27

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA010619

<220>

<221> unsure

<222> (1)..(485)

<223> n = a or c or g or t

<400> 27

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gtaactgcag cggccaccaa gcgtccccct ctgggctctg gagggtttcg gccctgcctg 180
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aacggccccg gaggcagctg aattgcccat tgtgagggcc ttcttccttg gcactgcctg 300
aaccctcgtg cccactccgg ctgcccgggc tcttctgcct tctcctggca ccagcctccg 360
ggcccgggcc agcttgctag gagagcgaga aactgtttc tgaaaggggt gctgcttgct 420
tctttgttcc cgggttttcc aaagcngaa tcccgaacag ccgtgagaaa cctcaggctc 480
tggcg 485
```

<210> 28

<211> 507

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA010750

<220>
<221> unsure
<222> (1)..(507)
<223> n = a or c or g or t

<400> 28
ggttacaatt cacattcctt attctgagaa tttggcccca gctgtttgcc tttgactccc 60
tgacctccag agccagggtt gtgccttatt gtcccatctg tgggcctcat tctgccaaag 120
ctggaccaag gctaaccttt ctaagctccc taacttgggc cagaaaccaa agctgagctt 180
ttaactttct ccctctatga cacaaatgaa ttgagggttag gaggagggtg cacataaccc 240
ttacctacc tctgccaaaa agtggggggt gtactgggga ctgctcggat gatctttctt 300
agtgtactt ctttcagctg tccctgtagc gacaggtcta agatctgact gcctcctcct 360
ttctctggcc tcttccccct tccctcttct tctttcagct aaggctagct ggtttggagt 420
agaatggcaa cttaattcta atttttattt attaaatatt tggggntttg gttttaaagc 480
cagaattacg gctagcacct agcattt 507

<210> 29
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA011134

<400> 29
tttttttttg gtttagaatg aagttttttt ttttaattat ttttcttgga agtagggagg 60
atttgaaagc ttgaaaatca agaatcaaaa gacagtgaat ctagaaggca tctgggagca 120
gaacagagat tgaagacggg tgggcacagg agaaagcgcc accatcgatc ccggctgctg 180
ccctggaaat gtgattttct taatagctga gttcatgggt gcttgaggtc aggcctggct 240
attcatttcc agcgatgtct gaccagagag gactcatcat tgacgacctc agggtcacgg 300
gggcgacgct gacaccgga cggcagcagc agcaggacga ttaagacaag gaggatggct 360
ccacagacgc tcatgagcgc cataggacac aatccacaaa atgggggctcg ctcaaagact 420
gagcggggac acagtttct 439

<210> 30
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA011209

<220>
<221> unsure
<222> (1)..(446)
<223> n = a or c or g or t

<400> 30
tgcttggccc agactttact cgctcccggc cccacggacn aaggaacact gccgcaaacg 60
tcggggccca gcctgagagg agcctctggn cgnccaggc ctcttgggga tccctgcca 120
gctggccccc ggctggaagg tgcatgggca gcacacgaaa ccaggatcca cccactgccc 180
accggtggcc ctcacagctc cccgggatct gtgtcctcag tgcaaagggc ctggcaggga 240
aagctgggcc tggttggtcag gcatggagga gctgtgtggt cactggccac tggctctctt 300
ctgcaccacc gccggctctg acaantgcct gctgctgcag ctgctggatc agctccgcca 360
cacagatctt tgaacagggg tacagggtcc ttctctcca aaagtctctg cttctnaatg 420

gcctcctcca gcgtgaggcc caccen

446

<210> 31
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA011383

<220>
<221> unsure
<222> (1)..(404)
<223> n = a or c or g or t

<400> 31
gagatggagt ctcaactctgt ctgccaggct ggagtgcaga gcgacactct atctgaaaaa 60
cacaaaaaca gaaacaaaac cacacacaca cacacaaaac cataaggact ttggaacg 120
ttttacgatg tgttggaagt gctttcagat taattactat tggagcaaaa tgatgaagtg 180
atgtatccca aaccgtgttt ataagtaatt caagtattag ctagccatct actatgtcca 240
agcaatgtgc atgacactga anggtggaat ggtgggcagc ccttacagag cggtaaaaat 300
gggggtcaatg cgggtgcaaa cacagttgca tggcaggttt tggtnctaa atnttttaag 360
gattgggagg accacgccta ccttctcccc agggaaaggg gata 404

<210> 32
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA011679

<400> 32
gagacagggt ctaactctgt agcctaggct ggagttcagt ggcacgatca ttcctggact 60
caaataatcc tcccacctca gccctccgag tagctgggac tacaggtgca tcaccaggcc 120
tggttgattc ttttttattt tttgtaacaa ttaaataata aataaaaatc tcaactgtgtt 180
accaggtctg gtcttgaact cctgggctgg agtgatcctc ccacctcagc ctctcaaagt 240
attgggatta cagatgtgag ccaccatgcc cagcccctgt tctctcaact ggccaaacag 300
gaaaggacct gcgaatggtc actgggagca ggagaccagt cagagaccag gagcaaagaa 360
ggcctagctt ggcctggaga gagaagcaca tccctggtta gtgggtttac agtgccttgc 420
tctctattgc ctcaccctta aaataaacac cacaccctc 459

<210> 33
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA013095

<220>
<221> unsure
<222> (1)..(502)
<223> n = a or c or g or t

<400> 33
tgcacaaaat gcttttatta ctctaagcaa ataaatcaat caaatcacat tccccattag 60
acagcacctc agctccccca tacatacagc agttcgctgg attgaatata caatgaacaa 120
ctgaaaatga tcaatttcca tcattctgat aacacgggca aaaaattcaa actctctgtt 180
agaatacagg tactagtaat caaaaagaaa atttcttgat atctcccact agcattttca 240
gatttagaat ttaacatga agtacatatc tagaactaat gacagaaaaa tcgcatttta 300

```

aaataatatt acagttcttc tgtaaaccctc agagtgattt ctgtgtgggg aacttggctg 360
accagaagat taaatgagaa ttttgtacnt ccctcagata gccaaataga gttaaagggc 420
cactcccaca ccacccctt ccaaaaaaaaa accaaaacat ggttttcccn ccttttttac 480
cggatattga ccaccagtat ag

```

```

<210> 34
<211> 482
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA015768

```

```

<220>
<221> unsure
<222> (1)..(482)
<223> n = a or c or g or t

```

```

<400> 34
acgtgttcaa atatttattt taacagcatc ttttggaaca tgttttatttc ccttaaaaaac 60
gacacagagg aaacatgtac actgtaacaa caccttcccc tctgtttctc cagaagaaaa 120
atgtttctgc atgcttgata acagatgggtg caaccaacag taaacctggc tctctacacc 180
agtgaagaac cattctccaa atgcccgatg tgcctcagag gaaatataca atttaaaagt 240
tgaccctgta gcaaaaattt tgagtcaaatt tattaataatt tagaaaagaa ctggattcaa 300
atacttacaa actaggcagt ttttaaaaact agacctttaa gaccgtcctg ggatcatccat 360
aatatatcag agtcactctt aggggtgggt aacaacataa atagtatttt cacttaacgt 420
aaggctagtc ccatggaata ataaaatcca acagttgggg gntaaaaatt taattccant 480
tt

```

```

<210> 35
<211> 248
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA016021

```

```

<220>
<221> unsure
<222> (1)..(248)
<223> n = a or c or g or t

```

```

<400> 35
tcatattgta caactatgat attaggtatt aagcgacgta attctttctc tactagttaa 60
ccagtttatt tcacttagca aactctaaat tgagggaat atataatctg agaacacaca 120
gaaaaatata ttgaaaaacc aatagagaat tatttttaac catcataaaa actcaatctt 180
aattaactga tagtctttaa cttaaaaaaa agagtaatcn agattggaaa ttgggaatta 240
aaaatatt
248

```

```

<210> 36
<211> 406
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA017146

```

```

<400> 36
agatggagtc tcgctgttgt tgcccaggct ggagtgaat ggcacaatct ctgctcacga 60
caacctctgc ttccgcagc caggttatct cagaagccaa ttttcccttt agggaaagt 120
acagaatcag ccagggaaga ggaatgggag gatgggctgg atgacccctg ttcaggccta 180

```



```

atccgctggc ctccctgggg cctccctttc tttgtgccaa gccctgtgct ggggtgctggg 240
aactgggaac acagaatgaa tcagacatag cctttgttcc catggggctc agtctcatgg 300
ggaagacaaa tgtgtatcag gcattattga cccaggatca tcagtgtctc aataaaaagc 360
tcagaggggtg ggttgggaag gcttctctgga ggaggaggta ctggaa 406

```

```

<210> 37
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA017192

```

```

<400> 37
tttttttttt ttgggtttta agccaaatth tttctaacct ttaataaaca aatcaatggc 60
aataacaaaa atttaaaaca ttcttaatth tgaatgttaa tatatgaatg ctaataatat 120
taatatcaat tttgaatatt tggacaaaaa tcccaaaca aatattcata agataaatta 180
agcagcttat caaaacaata atataccaca gctaagcata ttatatttca gaaatggtht 240
aaaacaagaa atcagaatga attataacat taaaatagca gaggagaatg atatatgaac 300
aaagcaaaaag aagtgatagg a 321

```

```

<210> 38
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA018346

```

```

<220>
<221> unsure
<222> (1)..(452)
<223> n = a or c or g or t

```

```

<400> 38
tctcagtaaa cattcattta tttcctgccg gcaggtgcag tggggcccca ctgggnaggg 60
ggactggtgt tctaacagga gcgagaaaat gaaggaggcc tggcttaaga ccagacattt 120
gaagaaggct ccaggcaggg aaaggaaagg agaggccagg ccacactgtc cctcctctgc 180
ccccacgtct ccagcaacac aaggcggcca gtggaccgtg aaccatttat ttccaaacta 240
taaagaaacc tgctctctga gaaaagacac tgcccagggtg atgaagctcc agcccctgga 300
ggtccaaaac ccagtccaaa ctcagtcctt ttagaaagct gctgtgcctt tggaaatgag 360
tctcggctgt cagagcctgg gaagtgggtg gaagaaccag cccactcccc tctcctgctg 420
cgattccagc gcagtttggg gccagctctt gg 452

```

```

<210> 39
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA018867

```

```

<400> 39
gtttacatca tattttatth tattacagtc aataaatata cttttatata tgaaatcatt 60
atagaatata tatttttaagg cactaagtct caaaagtga ggcacctgtt atactttgct 120
ctctaatttg acacattaaa acatgagagg taaatctgcc aatttattht gagtttgcaa 180
gcttacaatt taatagaata aatcaggtag cttcagaaat caactaagaa aattaacagg 240
ctagagtctg aactaataat cttgacatgg tttgattatc acttggttha ttctgattac 300
tcatttacct tttcatttat gaatctaaac tgacaattcc accttagag gtataataga 360
gctattaacc gatgagacac atctactcat tctctggtta ctctgggaca tcgcatcttg 420
ctttaaa 427

```

<210> 40
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA018922

<400> 40
 aagtgggagc ttttgggtgta aacttttctg cagccgttaa agtggcaccg gtgcaccctc 60
 ctctgtccgt cggggggaggc atcgcatbbc ccttgtcacc tggcttcccc gaagtccgc 120
 tgcgcacctt ccctggcgag ggcagctccc cgggcacgca accccacagt tgagaagggt 180
 ccctgtctag ttccggagaa gatggaggcg tggaggtgac agaggagctc aattttcccg 240
 agctgaccaa aacttcgcca atgggggtcgg aggtaaactt ggccgttggg aagaaagtcc 300
 ctcgagctg tcagaggatt cgctgctgac atctgagttc aggcgtgttg tctctaagtt 360
 gtaacaaaag ctccgggtga tgagagtgtc ctctggagga ctggaagata tcttcaa 417

<210> 41
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA019715

<220>
 <221> unsure
 <222> (1)..(487)
 <223> n = a or c or g or t

<400> 41
 ttaagagaca agatctcaact ctgtcaccaa ggctggaatg tagtggcatg atcatagctc 60
 aactgcaacc tcgaactcct aagctcaagc aatcctctca cctcagtctc ctgagtagct 120
 aggactacac agtatgtgct caacatgact ggctagttaa aaacattttt tttttttag 180
 agacgaagct ccaagtgttg ccagggtgg tctcaaaact ccagcctcaa gggatcctcc 240
 tgcattagct tcccaaagtg ttgggattac aggcattgac caccacacct ggcctctcca 300
 taatgatgtt gagaccatcc tctcaacaa agaatcagtc agttcagcac ctaattttcc 360
 cactgaag tctacgcaat tttcatgcag actgtgcaca cagtacagtg cacaaatcca 420
 gagggcaaca catttggaat tcatatcatc cggttttcca aagtatgaca tatgggacac 480
 ctggagn 487

<210> 42
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA021549

<400> 42
 aaagtcattt tattggacac aaatgctaaa aattagaaaa accatacatt ttactctatc 60
 aatctgttag gaaaaactat agaatatgat agtgattgca ttgattctgc ttagcaaat 120
 aaatgcaaaa ctaagatatt caccaaatat aaaatatagt tattttctaa gaaataaaaac 180
 tcacacaact gccattttta gcagaatggg ggcaactgcc attttttagca gaaacaaaaa 240
 ctatttcctg ttaacaagaa ggaaaaacca tcagtgaaca ctcaagtaat aatcagggga 300
 ctaggatgga ctctcagtaa gaaaccactg gaatatacct gggactaaat ctattctaac 360
 aaaattaagt ataccaaccg gaatagtttt gtgtgtgcat ttgggtttta ctatatactt 420
 ttataatctc aaaagtacct 440

<210> 43

<211> 418
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA021623

<400> 43
ggttttgaac ctttaataaa agtaaaaaat gaatgcaaaa agaacacaat gttgaaaact 60
tagtatgaat gtgaacctca ctagatgttc aaatctggta gaggcaaat tttgttcata 120
ctattttaca tttttacaaa ctcaaatcac tttggttcat atattttcta taaactattg 180
gcaaaaaaat cctcaaatctt acattctttt ggctacatta tttctaacag atatagattt 240
acttccggtt tcggagagaa agactttattg tgtgtgcgtg atcaagtctg ttttaaagat 300
tcactcgctg ctttcatcta ataacttctg gtttttcata aaatgctgac atcttcattg 360
gaaatttttt tcattgtaact gtttttcattt tcagaaaata tataaggggg tcattccg 418

<210> 44
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA022623

<220>
<221> unsure
<222> (1)..(394)
<223> n = a or c or g or t

<400> 44
gaggctaatt acgtatttat tttttcaaaa ggttaaattgt aagctttttcc caactgaaat 60
atatagaaaa ccccaatgta tgaaacaagt tttaggcatt ggtggtggca gcggtagtgg 120
gctgatgtgt cctccctgca cacagctggg gccatgtagc ccttccccctc tgggtgaacc 180
ctgggggaaat cttggcacc ctcagcctcac tgccttccaa tctcagctca aagactgggc 240
atcctgcctg ggaccacggc cccccccccc aatgtccctc aaggaggtagc aagaagtcac 300
cangcattga ctgcccaccc tgcgtgtcct ctttttcagg taaaataaag aaggttaagcn 360
tagcttgggg attttcgcgt gncggaaagt tnaa 394

<210> 45
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA024482

<400> 45
ttttgctagt gcggagtttt attggctaca aaatagatgc aaaatgatga gaatctgaag 60
gctgcagtag gaaagtagag ctttaccctc ataaactcgc actttgatta gaaaagtgc 120
atatattaag agcattatga gaagtctggg gagactgta cagaaaaaaa aaataaaagt 180
ttctgagtc gataattcca aggggtatctt ttagaactca ctcactgggtg tctgtgcaag 240
gacttttcctt ggggggaaaaat agattttaca acaggcggaa actttcattg gtctcatgcg 300
tgcttttggg tttcattcac ttgacaaaga actaatcttc cgttgatggg ctccctgggtt 360
atggccttga tctttggagt tgcagacact ttcatgctcg actttgatcc ttcccgtgtc 420
ccttcactct ctccctccca ggagccgtcg gg 452

<210> 46
<211> 148
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024511

<400> 46

```
gttaattaca gtacaccttt attaatactg gaatcttcac agtgcactctg ttacttgtag 60
cagtgcactat attttaaactg gggaggatgg tgtggagggg agaatttttc caaatctga 120
cgaaagaaa agaaacaaat gggtcaga 148
```

<210> 47

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024658

<400> 47

```
ttttaaatat ttaagagttt atttgagcag tgatccatga attgggcagc tccaagccag 60
aagtggctag ggagctccc agagagaaca tgaggaggag gcttttttagg acaaatagat 120
aaaagcaaag ataatatctt attgggtaca gttatacagt tacacagtta tacagttgcc 180
ttatttggtc tatcccatga ggaagtccta gttactaatt acgtttttgt tggctgcttc 240
tgattgggtg agcttaagtt ctgtgtttct ttaacatagg catttacaag aaataccaca 300
aataaagttt cagacatgct tgcaaatcaa gcaagggtta gggtcacttag ggggcccaac 360
tggctctgtc tgctcaagga ttcttctggc ctctctctca ttttacatga actggttgca 420
taaataaaca cagagta 437
```

<210> 48

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024776

<220>

<221> unsure

<222> (1)..(441)

<223> n = a or c or g or t

<400> 48

```
ttttcaggga gatcattott tttattgcca aggaccaaga aacaaagtgt agaaatgcta 60
tacacaatgg tcatgagcta caaggtagga atgggggtgca ggggagacgt ggtaacacac 120
agcactattc tgaacgaact ccagctctcc attctaacac ttgaaccaag gaaagacagc 180
agtccttttt cactaagcct gcaacagaat gcaaatgtga cttgggtttat cagctcccac 240
aggacaggca gcgcaaaagg ctattgtaag ctgggttttg gagcccccat ctcaaacaga 300
gagtggatgc tgaaggtggt ccctggccgc cactggtggn ttgggtcccc gggcttgcta 360
ggctctgggc atgtctcgat tctccaatga tncagctttg tcagtttgaa tacagttggg 420
ccaatgtggg acctgggtcga c 441
```

<210> 49

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA024866

<220>

<221> unsure

<222> (1)..(474)

<223> n = a or c or g or t

```

<400> 49
gtctccccc tttatttggg aaacagaatt acattaaaag gaaaaagtaa cagcatgttg 60
aaatttcact taagtcgata ccctttgata caaactgggt tattatgcat ttataaaaga 120
tgccccttgt tggccatgga aaagatacat tttatgatct acagcggcag tatattcact 180
ttaagtagga attaggaata taaatgcaaa aaaaaattaa aatgtcacat tttctctccc 240
cattctacag aatagaattt ttttgcacca ttacttagga gctcgcacct ccctgcctcc 300
ctgtgagatg ccatgcacct gttgcagctg tcagcgggtg ttgccccctn gaccattcct 360
ctgctctacc ccttacccca acacactccc tcttccttc ccaaaggaaa ccaatcttgt 420
gctggggggg gccttccct ccacacagcc acgggttcgg acagttccct gtcc 474

```

```

<210> 50
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA025166

```

```

<220>
<221> unsure
<222> (1)..(343)
<223> n = a or c or g or t

```

```

<400> 50
tttaactaaa atggtcactt ttaatgggaa ccagaggtat agttacaatt acatagtccg 60
acgggggggaa acccttgggt gatcaggaat ggggaagggt acaaaataac gagggtaaca 120
cttgggtaca ggacaaaaag ctgttccaga acctngggag ccaggctaata taatacggcc 180
tctccctgcg atcctatctg tgctcaccac tggaatccat cttgccaggg ccaaagccac 240
ctctntcccc accacccng cccctcgga agcctccag gtccccgct gcancccg 300
tangccgct ncgatcataa gntcctctn gncaccactg acg 343

```

```

<210> 51
<211> 456
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA025277

```

```

<220>
<221> unsure
<222> (1)..(456)
<223> n = a or c or g or t

```

```

<400> 51
tgccgggtggt gaaatcaacg tgcttcttta ttttttaaag tagataggct cattctactg 60
tcttctccag ggctcttcta tgaaacagtt acaaacctac ggccaggcca ggcatgtgct 120
cacacctgta atcccagcac tttggaatgc tggggcagga ggatcacttg aggtcaggag 180
ctcgagacca gcctggagta tagggagacc cccgcccccc cccgccatct ctacataaaa 240
tttaaacatt agccagggtt ggtggcctgt gcctgtagtc ccagctactc aggaggctga 300
gatgggagga tccgcttgag cctgggagtt caaagctgca gtgagccatg attgcaacat 360
tgcacttcca gcctgggcga cggagcgaag accctgtctc aaaaaataaa aacccaaacc 420
tactgncagt ttcccaggg cttcatgcct cagcgn 456

```

```

<210> 52
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<223> Genbank Accession No. AA025930

<220>

<221> unsure

<222> (1)..(358)

<223> n = a or c or g or t

<400> 52

```
gccaatctgc tcaaacaccc agttggaaca ggaatgcctc gtggactggc tttaggagtt 60
taatctagat ggtttgctgt ttctagcagc agagcacctg ttcagactct acgtatatgc 120
acctatgaat ggtgcagctg ccaagagaac caaagctaaa tgttggcagg atcacagcag 180
gtgtggaggg gaggtcacta ggaattccct ggagactcag tcgttacctc ctcaactgga 240
aggctgagca tggctttttc ctctgatggg taccatgcc anggcccccac ctctccattg 300
tccaatgttc tttctttatt tgtttgtttg tttgtttgtt tgtttgtttg ttttagaga 358
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<210> 53

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA026030

<400> 53

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caccgggtcg gcttacatag ctcatagctc agtgctgctg aaatagaccc agggcaagaa 120
aggtatgaac aaccagtga tggcactgga gcataaatgt tcacaaaatt gtagagaagg 180
ggtgacaaga agcaagcagt ggggcaggga gtgtcactga tgtccgaaac cccgggtcag 240
accaacacgc agcacagcca ctcgccaga gagagctgaa ccatgccatc cttgtcttcg 300
tccagaaggc tgaatagttt gaagaggggc tccaggcgga tcatacaagc cacgaagctg 360
tcaaagtga tgccaagctt tgctgcacgc ataccgcagg gcaatggtct gctgcacctg 420
gctgttgagg gtgaaacctg gccttcctga gggctgtcct catctcgtgg 470
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<210> 54

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA026092

<220>

<221> unsure

<222> (1)..(313)

<223> n = a or c or g or t

<400> 54

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gtggcatgca gacttgattt tgnctatgga tagggttaca tacttggggg ttncccccta 60
ttattaaggg atgtttttgt gatcaaggga tgaggcattc aggaggaagg ttagggaaag 120
atgctcgcat ttatctanca ttgtatcaaa gttggaggca gcagctaaga ttaagagttc 180
catagactcc tgctgtttgc acctccttaa agcgatacat tttaacgttt tcctcagcag 240
gagcttgaat ttaacaatga atccagaaaa aaagagaagt cataataaat cacaacant 300
atgaaaaaca aca 313
```

<210> 55

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA026150

<400> 55
ggagactgga tatcatcttt aattaataat gccacagccc aatgtctttt ttgttgctgt 60
agcaaattgt gattgtgtgt gcgtgtgtga gtgtgtgtgt gtgtgtgttc ctgaacagat 120
gaagggccag cagagactcc caagcaggtc tcagccaaca actctgttga gcagcaactg 180
gaagatagtc tccatagagg cacagaggcc agacttctgc ctctatggc attgatcctc 240
tctcctgggc cacctttcgt gcattgaggg caaggctgag gcctgtacca gccagatta 300
aaggacttct aagcacaggt cagcctccag ttcccagtac tcaactggcct ctgaccagag 360
ggatgccctg ggtagagtat agacttccag gcagagg 397

<210> 56
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA026270

<400> 56
caagtttcaa tcatttaatt aacatcttta aatgaaacac agttttcttc atgtgtctca 60
ctcaggcttc agggcagagg gaatggattt ttagacatat caaagactca aaaattttaa 120
gaaatatata tatgtatata tatacttcta acattttatg gaaattaaaa atcagaggct 180
tttggtctct ccatttactc taggtcaagc tcatttacc cagaggacaa agaagggctg 240
cctcttctag accctccctt ctctttgtgc ctctgtcca cccagcaggg aaacaagctc 300
agaagatcct aacaggatag agttccagta atgtt 335

<210> 57
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA026356

<400> 57
tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60
tggacaaaagt actggacttt agaaaaagcc tacacaaaat tgtctcatc ttccctaata 120
cattaataat ctaagaataa ggaggtgaaa aaaacccttt aaaaataaca ttgctccagt 180
ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240
tggtaaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

<210> 58
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA027766

<220>
<221> unsure
<222> (1)..(434)
<223> n = a or c or g or t

<400> 58
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gtatccatag gattaatact catatggagt ataatgtgga aaagtgcaga actaaagaaa 120
taagtctatc cgaaaacaaa agcacacatt tctcaggatt taaaaatatt gcacatagta 180
aggttgaca gaaattactg gctggtttta caacacagaat gaggtatcag tcaatctcta 240
gataaagatg agagagaggn tatnctacac acacacaanc acatttntcc atnctaagac 300
ccagagtgcc aacaacttng aagaaatntg aaaaagtatg ttagtagtnt gatttcaaca 360

cttcaaaatc attttnggnt gggacccnac anatacaact ctnggggaaat tcnngaaagt 420
ttcanctttt ccag 434

<210> 59
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA027833

<220>
<221> unsure
<222> (1)..(392)
<223> n = a or c or g or t

<400> 59
tttttttttg ggtgcaagga acatttttatt ccataactgt ctccaccgaa gccgcagaag 60
caaagccagg agcagaatcc attctgccag cgctgggctc tggggagaca tctgtgccct 120
caccatggag gacagaaggc aggggctccc gactccttgg tcctgcctgg ggtgctcctg 180
tcctctcttc ttgctggggg acctacccca cctcctccct cccacctcag ccacagagga 240
acaagggaga caaactgagg gctctgcagt ccccgttcaa ggccaacata atagtcgtgt 300
ggccccagcc cagctaggcg cctctctnc ggcattggcag cggtgaccaa gcacagccaa 360
cgctcagctcc gctccctgcc gtctgagagc tg 392

<210> 60
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA027946

<400> 60
aagagttcat aaagggtgga gccaaaggggc cagagcaaact caaaagctgc aaaggcgcca 60
actctggtct ccacactatt tattgagtag aatcacttag atctaagaag cagatgttca 120
ggggtgaaac agtgaaaagg gggcaatggc agtttaggta cattttcttt gtgctgaagc 180
agcataaact taactactga tttattcttt tacttatcag agagcagctg tggggagtgg 240
gcctaactag aagccagcat atctggccac attccaatgc ttcaaaggag tgtctttctc 300
cttgagcaca gtgtttatag ataagagagc aggtcacact ctggtcatag gaacgtgatg 360
gcaattagga ggctttcctc ctcagt 386

<210> 61
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA028103

<220>
<221> unsure
<222> (1)..(484)
<223> n = a or c or g or t

<400> 61
cagttgtttg tttcctttaa ttaacatcta aatagattat acatcttcta taattataat 60
atggaaatgt atatgagcaa aatatataaa ttttttggtg actgcttagg gaagaatgat 120
gtcagtgaag ttcattccaag gtcttaagca gcagcatcta tgcagccagg gcgtgggtcag 180
cgtttgggga cagaggtaaa tatccgcaat ccatgcattc ctttgatttc ttcttttagt 240
gcctgattaa ccatctgggtg ctgctggaca gttctcttct ccttaaattc ttctgattca 300


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attttaattt catacatccg cccacacaacc tcctgaaatg tcagtgaactt ttatagctgt 360
agctcgtggg aaacttttct tttgagaatt tgggtcactc tgagctcccc ctcagtctga 420
gtggcaaaca tccgatgggtg aagtggaagc ccgcggatcc cgnaagggga gaggcgctgc 480
gcaa 484

```

```

<210> 62
<211> 322
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. AA028132

```

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<220>
<221> unsure
<222> (1)..(322)
<223> n = a or c or g or t

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<400> 62
tttttttttg tgggagaccc atttaatgtg gacactcaag gcctgggcag agtggggagc 60
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ngnatgccag gtggtggggg ctggcccagg taggcaagg ganncccagg caggaagggt 180
ggcccangca ggcagaccca ccaggggtcc ctgaaggcca gcccttgaga aggtgtctaa 240
agccaagggg gtgagtgccc aaggccanga gcctaaccga gnggaggcaa nggtttgggt 300
ccgnttttg gggtctctng ag 322

```

```

<210> 63
<211> 402
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. AA028976

```

```

<400> 63
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cagcagaaa atgcttgcaa gcagagtcag ggtcaccagt gaatgccaca aaagtctctc 180
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```

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<210> 64
<211> 424
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. AA029215

```

```

<400> 64
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gattccccct cagcctaagc ctctttcaaa ttctttttcc tgagctggaa gaccagtcag 180
atgccgcag tcaagcgcca agcacattcc caaccgggca actgtgtacc tttctctagg 240
agtgcacgac acccttcccc cacaactcct tattttaaag gatttaaccc attaggaagc 300
ccatgtttca atctaagcca gaaggagctg cgggacaagg cagtcttcac tttgaaggct 360
cctttcctgc tccagtcctt ggggctaggg ttctagaaga ggctggctgc cacgtttaca 420
tgag 424

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<210> 65
 <211> 485
 <212> DNA
 <213> Homo sapiens
 <220>
 <223> Genbank Accession No. AA029288

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 ttttgatgcc tgggtaaaag cttaagcatg cacgttacat ttgtatggtt tcatcaaaaa 180
 agtttttgat gcctagtgag actttggcct gcggaaaatc tctatcacat ataattatta 240
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 ccactctcag tgtttttggt tctctcaagc atgaattttt gcaatattgt acaatgtgag 360
 aattgtgcc aagacattg ccacattcat tacatttgtt aggtttctca ccagcaagaa 420
 ttctttgaag aatcctgggt tcagatttta ccttaagacc ttgccacatt cagtacatta 480
 gtaaa 485

<210> 66
 <211> 422
 <212> DNA
 <213> Homo sapiens
 <220>
 <223> Genbank Accession No. AA029356

<220>
 <221> unsure
 <222> (1)..(422)
 <223> n = a or c or g or t

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 aatggtgcta tcttaaacac caaatatcaa ctgcagttca ctttttcogt gtgggggacta 120
 atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
 taacttataa agcattcatc tgcattgttat aagatattac agtaaataca attaggtact 240
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 ttttaagan ctatttaaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360
 atggtagtg g caacagcact cgtggatgtt tacngtataa taaaaatacc tagtattccg 420
 gg 422

<210> 67
 <211> 186
 <212> DNA
 <213> Homo sapiens
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 <222> (1)..(186)
 <223> n = a or c or g or t

<400> 67
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 atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc nagccnttag 180
 ggtnc 186

<210> 68
 <211> 501
 <212> DNA
 <213> Homo sapiens

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 <223> Genbank Accession No. AA031543

<220>
 <221> unsure
 <222> (1)..(501)
 <223> n = a or c or g or t

<400> 68
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 ctttctctgc tggagacgac catctttctc tcagtcagac gtacaaatca gtgtggattt 180
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 attaatgtaa atccnctgtg g 501

<210> 69
 <211> 464
 <212> DNA
 <213> Homo sapiens

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 taaaaaaaaca agactaaaaa acaaaccctc acacacactc cccc 464

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 <211> 164
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA031814

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 gaaaaagaat aaatatgtca tcatttacct tgcacagctt tgag 164

<210> 71
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA032005

<400> 71

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taaattccctt ctatttttcaa gtctatttgt cccattttctg tttagacata atttgaaagc 180
cagcttggac cttgtacttt tcaattatgt taacgtaaaa tactcgtaac gaatgtagta 240
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gataaggaat ata 313
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<210> 72

<211> 550

<212> DNA

<213> Homo sapiens

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<221> unsure

<222> (1)..(550)

<223> n = a or c or g or t

<400> 72

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<211> 491

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA032250

<400> 73

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<211> 106

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA033790

Variable	Mean		SD		t		p	
	Control	Case	Control	Case	Control	Case	Control	Case
Age	30.5	30.5	10.5	10.5	0.0	0.0	0.999	0.999
Gender	100	100	0	0	0.0	0.0	0.999	0.999
Education	12.5	12.5	1.5	1.5	0.0	0.0	0.999	0.999
Occupation	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Marital status	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Religion	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Income	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Health status	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Family size	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Urban/rural	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Smoking status	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Alcohol consumption	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Exercise	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Stress	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Depression	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Loneliness	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Life satisfaction	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Quality of life	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Health-related quality of life	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Physical health-related quality of life	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Mental health-related quality of life	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Functional health-related quality of life	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Social health-related quality of life	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Emotional health-related quality of life	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999
Overall health-related quality of life	1.5	1.5	0.5	0.5	0.0	0.0	0.999	0.999

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agagcaatgt tttgcagaca gtgggtggag ctacaaaagt acattctcaa ggggtggggag 180
aattaaaaag aaccttctta aggggtgggg agattacaaa gtacattgat cagttagggt 240
ggggcaggaa caaatcacaa tgggtggaatg tcatcagtta aggctatctt tacttctttt 300
gtggatcttc agttacttca ggccatctgg atgtatacgt gcaagtcaca ggggggatgcg 360
atggccttagc ttggggctca gaggtctgac agttatcacc taagattctg acttttaatt 420
atatataaca attggatat                                     439

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<210> 78
<211> 343
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA034499

```

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<220>
<221> unsure
<222> (1)..(343)
<223> n = a or c or g or t

```

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<400> 78
ctaaaaccac tacatagaat aatggcaact ttcactcaca gattatttac atggtaatac 60
ccagcgtggg tacactgcta caaaactcan aacagaagga gttaaactga aatgttttcc 120
ataataaaga tctagcagca tgactatcta atgctgtttt atcccgattg cttctgcaac 180
gttccttttt agtctgtgtc ttcattccagt tcataattgt ctttatcata aatatctttt 240
actagaagaa cccgtacaag catattttcc aagggtgttc ggtccagtga agtagacgta 300
taccagacag ggctatctgt agaactagag cattctgggt tgc                                     343

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```

<210> 79
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA035245

```

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<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

```

```

<400> 79
tttttagtca tgaaattatt tagaaaattg cttttcacta tatggtataa tttctgttgg 60
tggatagaag ccaagtagga gtcacatgca agtcacacc tattocattt agctggatgg 120
attgaagaga cagagtaatg acgaatatca ccctagagga aaccaattag tntttataac 180
attgaaaatg atttatagat tgcttaagca tatctatcaa atctaaatgg aatactttta 240
atcagctcca tagaaaagca acactgtggg atgatttctg aactgtggaa actctgtctt 300
tcagatctag catcttccag cacagagata ggacagattg ccatctggga agaggcactc 360
tgttttctcc agaagttttg catttggttga cagatgggta cattccaagg aaacgtaggn 420
tccaggttca tctctcgga tcattnttgt gaacttgtct tccc                                     464

```

```

<210> 80
<211> 173
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA035457

```

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<220>
<221> unsure

```

<222> (1)..(173)

<223> n = a or c or g or t

<400> 80

gcaganaactn gagctttatt tacaaacttc cacagaatcc ctcaccctcc accccagggt 60
cctccctctc tggaactcag gcagcagaca agcttgggtc caccacctg cccaacctag 120
gacagctggg cctgagctgg gcgggcaggg gattccatct cctgggtggg gct 173

<210> 81

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA035540

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 81

ttcccaaagt gctgggattc caggcgtgac acccgcgccc ggcccacagt tttattcttt 60
acaggagggtc agtgcccatc atgttccctg tctacagaca aataaaaagc tgctctctcc 120
agaggggcgg canagtccctg atggtccagt gagaccaga agcttccagg agaccttcag 180
tcccgagtcc ctttcagtca tcattctctg agtctgactc ttctgtggac tcagatgcgc 240
tctctggcaa gtctgtctcc atctgctgga accttccga ctgtgaatcc cacatgtatt 300
tgatggtcac cttgaattca gccatctcat acccaaaaag cttcaggacg cgagcctgct 360
ctggggtcag cacatcgccc tccttgcaaca cctcgtaagt cagacagcag aagtcac 417

<210> 82

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA035638

<400> 82

aaaatttgaa caagtattta tttcttaaaa tttacttaag ggattagagc taatatataa 60
tagaacattt aatataacat ttggagttat gtcaacataa aaatagctgt gggttacaatt 120
agcacatgca attcactgca aaggtaaaaa tacatgctat actctagaca agccttccaa 180
atgaagttag agtagatggg gtaaaaacagc aagtgaacat gaaaggattg cacttagaag 240
aaagtgggac atagctagga tataaaagaa acatacctaa tgctagtcag tcactgcatt 300
gtcctactag caaattgcac atttatTTTT agagtatatt caatacacat acatatttga 360
gactagagaa ttttcaaata tctacctttg aaatatccct ttgggtttcta acacatcaca 420
ttatggtatt aatgtaacag cacttaaaac ctgtagtt 458

<210> 83

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA036662

<220>

<221> unsure

<222> (1)..(444)

<223> n = a or c or g or t

```

<400> 83
acaccggcaa cacataactt tattggggtt cttgagctct gtttataata ataatatgaa 60
nacnccnggt nanaagctnn angtntgana angcannnnt ncannnnntcc ccccccccaa 120
aagcattttac catatgcaag gcaccatgtt aaacacttga gagatccaca acaatacata 180
aaacaacatt ccaaattcat gctgagcact tttttctgaa acacaagaac aaatctgaaa 240
agtttaggtat gtgactgtcc caaatTTTTgT tattatcata cagtgcagga agaaaacagg 300
gatagggttta tcccttgaat ttatacaact tcccattgct ggactagtna ggTTTTcatn 360
gggaatttttn cttctccttt taaaaaaggg ctttaatggt ggnttttcca ttngggcacc 420
taaaaaaac cccccccncc ccaa
444

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```

<210> 84
<211> 393
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA037058

```

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<220>
<221> unsure
<222> (1)..(393)
<223> n = a or c or g or t

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<400> 84
aaannnttac aaatattcan attttattat aaataaaata ctgtttttct taaaacataa 60
aaatgccaan tggtgcattt tattaaccac ccngaganc aangctgtag anattaaggc 120
aaacagctaa agtgaaggca catataaaan gtccacantt nnaattcaaa ggaaaaaaat 180
tcagggaata atagcagtat aataatccct gtgtcaacca gcattctgca ncanccatcc 240
tgtcaattac attacataaa atacagataa ctggagctag acaataaaat aatggctgtg 300
ttgcgggagt gtaatttaag gtatcatctt gtaaagaacc ttttatttta aaaaataaaa 360
ttctgcttaa aaaatatacc acacaggtgg gng
393

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<210> 85
<211> 273
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA037357

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<400> 85
ggagataggg tcttgctatg ttgttgccca ggctggtctt aaacttcttg cctcaagtga 60
tcctcccacc ttggcctccc aaagtccttg gatttcaggc accagccacc atgcctggcc 120
acaaagacta tttaataagg aaaaatcctc aaaatgttac ataaagatca catcacaaaa 180
cttttacata cagtgttatt ctgatttatt tttgaagggg taaggagaag gaaaatatat 240
cacttttaaa acgtggaact ttcaatttgt tgt
273

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<210> 86
<211> 498
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA037433

```

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<220>
<221> unsure
<222> (1)..(498)
<223> n = a or c or g or t

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<400> 86

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ttcagttcaa tacagcacac ctttattgag cacctaagga tctangctgc canaggaggg 60
cagagtcgac aaaacagtgg gcaggcctcc cctgcagctc tctgtgtctg tgatgatgga 120
gctgggttgg ggaaatcctg ctgtgacatt tgccctgacg cagttccgca cagcatgggtg 180
gcttccaagc tatgtctctg atgggcaccc gtaagagctt ctacatgcat tagagatgga 240
gcctctccta tctttgcaag cctttgtggt tcttcccttt aaatctgcca tccacggacc 300
tcaacaggag aataatttgg tcttcagttt gctctgtttt agacaaatac ttcacatgga 360
ctggatgtaa actgttgcac agtttgcgaa aggcctttctc attcattcct gaaattctcc 420
atcagtcaca aacacaaatt gttcagtatc tggggaattc aaagcccttt cctcaaaaaca 480
gacatttctc ctctgtgc 498

```

<210> 87

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037766

<220>

<221> unsure

<222> (1)..(551)

<223> n = a or c or g or t

<400> 87

```

ntacattatg gaaatttatn cctcctgaat gtataaggca ggagactaat tcaatataca 60
ttcactatgc agaattctac aagttctggg ctatgtgtaa atgtgcccc cttccctcca 120
ttatcaggat gtttaaatgt gtttcctttt tttcatttaa aactttgctt agatgtttta 180
cattgccatc acctcttcct gagaaaaagg tgtgtcccc accccaacc ctaggagcca 240
ngcagactat ctttctgagg ggccacaagc acactccac ngtggagAAC aagggcagtg 300
gatgaaggga acggggattt ttcaactaa tgttttccct caaacaggcc tccggcgcc 360
ngttagactt gaagcaatga catctattaa aatggggacc ccagctgggg gttaagaatg 420
ttngtttaag aatgatgacg atatcttgaa aagaaattct tggctgggga tggngtaggg 480
ggaaagggaa aaaaattaat tattttgact ttcccattgg caatgcttgc tacgtttaat 540
ctgattgcat t 551

```

<210> 88

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA037828

<400> 88

```

tttataatta gaaacacttt aattcctagc cacttggcag cacttaaata tcagagccat 60
ccaagcatgc cagcctttga acttgctcag caagagtaga tgatcacaca actcttaagg 120
taaatacaaaa ttagatgaag gttatttatt ggtgtgactt ttttccttta gtgagcttcc 180
tttacacagc atggtgtaaa tagcatcaga ttgaatgaaa agtttgtaa atgcaaccat 240
aaataattat aataaatata catcaagtaa ctttacagca cacatttttt agggccaagg 300
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cttacagctt gtcacttact caagtgatgg ccaacagaag cttctgaact cctcccgggg 420
agggtagctg acaagggtcca ttcaagggga tgagga 456

```

<210> 89

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA039335

<220>
 <221> unsure
 <222> (1)..(452)
 <223> n = a or c or g or t

<400> 89
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 cactggggga atgggacaca atcttgccct ccattgcccc gccactctct cactgcgga 120
 tcaccaagga gggaaagatg agtccctgag caatcaggaa acggtgtgct cccggatcca 180
 ggccaggtag taggccacat cgggtgtagac gcctggcttg ttgcggtcac cacagcccga 240
 tccccagctg atgatgcctt gcagggtgag ccggcgctct gcaagcttgg tctcacaca 300
 ccagcgggcc tccggaatca ccctggcacg catcgggtgc gccctcgagg aaccctgcgc 360
 agagcatgcc ggggaggatg gaggatccgt gcacgtccgg ggctgagcag cgctccaggg 420
 agaggaacgg tacctgcgcc ttccctcgtg cc 452

<210> 90
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA039616

<220>
 <221> unsure
 <222> (1)..(428)
 <223> n = a or c or g or t

<400> 90
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 tcacagtatg ttatgggttaa atatatccac tcttttttat attcctggca ccaggatgaa 180
 aaaaaaaaaa ctttaaatat acctcttatg taggtaatag cttctttgca tatctctctt 240
 caanaaatac tttatngcag tatataaata gggttaccta cacatttcat ttataaattt 300
 tgtcccaaaa ctatagatct gtttcatttt catgacatat caatttttgc ccaacattaa 360
 taaagctgac aaactcgggt gaaatgggaa atngcttttt gtcttccac aacaaaagta 420
 gcnatttt 428

<210> 91
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA039806

<400> 91
 gagattgttc tcatttccaa aatcgtcaga caccgatttc tctgcgcttt tottgccctg 60
 tgtcaggaca gggaaaagct atgcaggaga catggcctct agctctgttc aactgtcaat 120
 tctgctgggg accctagata aatctgttaa cctctctgcc ctcagtttcc ccattcttaa 180
 ctcgagagtg tagatctaaa tgctagaaga gtactaaggg actcttccag ccactttttg 240
 gcagggatca gacttcggag agtgaactca gggagcaaag aggtgaaact ggagcagtgt 300
 gaggggttaa ggggaaggcg ctggcggtgc cgagcagggg agcacgtcgg gggtagagca 360
 ccagggtcgg aggaatcggc tggcccacag gtgggcgacc tgggaccctc tatgtcaggt 420
 ggtacatgct gtagcccaca tgggcccgtg agagtcc 457

<210> 92
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA040087

<400> 92
catttttgtgta cacaaggcca aggtcttggg ccacagacaa ggctatagat cctacgttcc 60
agcttagagc attcagcttt ttttttctt tttttctcca acatggaatg tcacacagcc 120
ttgcttcagt cactgttaat actagaacaa aataggcttt cctgcagttt tttcttggac 180
gtaagaagta aaacgtttta gaaatttagg atactctcgc tttgccactg cccttaacac 240
tgaggctggg gcccattctc cagggttcac attagctaca tatgtaatct tgcatagaat 300
gttgccctg ctaatttctt gggttccctc tgggtgggctt accaagggtt gacaaatcat 360
agcaacattt attttggcac ggacacatcg gttgtttaga ggagcactgt catgatccac 420
agaaaaatta caaactatcc aagtttcagg gtcattttca gtcaaggctg g 471

<210> 93
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA040270

<400> 93
gagatattca ctttattgca gtggctctgaa actgaacca caataactac aaggatgct 60
tgtaaaatac ttatttttaa caaaaagtga aaatgatttc cctgttattt actaacaat 120
agaccagaca ttgcatcag acagtgagca taaacttctc tgatcacctc tcaagagaca 180
tctcccattt ctcttttgac tctcctcaag atttcctgta agaccaaact ttatcttcca 240
tatgtctcac aggtcagtg tcataataac catcagttat acaacagcaa tttaatgaat 300
ctcagagtga agacaaattg ccggtttctg agtagagggc caggataggc cacctggata 360
ctcattgaaa ctaatgattc tcaacttctc ctgccttcaa ctcaccagag gaatattaga 420
catccacttg ttagtggttc 440

<210> 94
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA040291

<220>
<221> unsure
<222> (1)..(463)
<223> n = a or c or g or t

<400> 94
tttttttttt ttcaacaaaa ctgcagttta atttcagaaa atgttaaaat atatatttat 60
acatcaattt ctgacatata cttaatgtgt tagtatcac aaaatgatgc tttcttttga 120
aactgtattt angaaatgta cattttaatt taaatactca gtatacactg cacttaatct 180
gcatgttgca tttattaaat acattaaaaat ctgcaatgta acaaaaacgtt ttctgcatac 240
gaaattcaaa acaccatttt aaatgaacaa aagatggctc actttttttt tttttttttt 300
acaactagn tnatgtacac tagctcagct ccaccaaact acctgntcgt tcncccttat 360
ttgacattgg ttcacagacn agtacatatt acnataagag tgcnggataa aaacctgngg 420
tacgaaagtg gggtcccagg ntttttagggn cctggcagga tca 463

<210> 95
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA040465

<400> 95
 tttttttttt taacacttat gcattttat tcatgtgtaa gaagaaaaac gtaactagca 60
 cgtgaacatg actgcatgga tacacggctc agcacgaggc taaagtcaga agtgagtga 120
 aacaaaatag catgttgatt taagtgaat aacagaacag gaggcctttg tttataacaa 180
 ttgtggaggt ggtctgtgaa tgcagaagtt cgggactccc tgctctaggc tcagggcaag 240
 acgctgtggt ctggggcogaa gcccttgggg ttctacagag aagcctgccc agcgcacggc 300
 ccctgtggca ttctcgttgg gagcg 325

<210> 96
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA041208

<220>
 <221> unsure
 <222> (1)..(494)
 <223> n = a or c or g or t

<400> 96
 gagtccagt gctgcaaagg gcatcccgga acgtgatgcc gctggggcac ggacagcctc 60
 ccacatgacc aaggacatgt tcccggggcc ctatcctagg accccagaag aacggggccgc 120
 cgccgccaag aagtataata tgcgtgtgga agactacgaa ccttaccggg atgatggcat 180
 ggggtatggc gactaccga agctccctga ccgctcacag catgagagag atccatggta 240
 tagctgggac cagccggggc tgaggttgaa ctggggtgaa ccgatgcact ggcacctaga 300
 catgtacaac anggaaccgt gtggatacat cccccacacc tgtttcttgg catgtcatgt 360
 gtatgcagct cttegggttc ctggccttca tgatattcat gtgctgggtg ggggacgtgt 420
 accctgtcta ccagcctgtg ggaccaaagc agtatcctta caataatctg tacctggaac 480
 gaaggcgtg aatc 494

<210> 97
 <211> 245
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA043111

<220>
 <221> unsure
 <222> (1)..(245)
 <223> n = a or c or g or t

<400> 97
 gaaagccctg tctactgtct ggagttcaac agccagcaga ctcagctctt ggctgcgggc 60
 gatgccagng gcacagtga ggtgtggcag ctgagcacag agttcacgga acaaggggccc 120
 cgggaagctg aggacctgga ctgcctggca gcagaggtgg cggcctgagg ggtcccggga 180
 ggcgggtgca agccttcgct gtgccgagcc ttgtgtttct gacgcaagcc aaatgaagaa 240
 aagca 245

<210> 98
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA043501

<220>
 <221> unsure
 <222> (1)..(590)
 <223> n = a or c or g or t

<400> 98
 atatgcttgc aggttatatc ttagtgcaat tcagtcceaa atactttaat tttgaaaaga 60
 aaaaaaaaca tacatttttg aatgtaaaat acccctacag atataaacag gggcgtttcc 120
 cctcttaata ctttggtttt caatacagtc agtggtatag caaagactac acatacccaa 180
 cttatattta agttgcaagc acatgctgta taagctactt tttttaaaaca gtcccttgc 240
 aaactctacc ccccttaaca tcacaatagt aaacaattta gtgcatcaat cgtttaaaaa 300
 atctacagct aaacagacct aactctttca aatttatcta taacattcct ttatctgtag 360
 catacatttt aactgggcta acagattata aaaactagaa tttaattata tactagaaac 420
 ccagagcatt ccacatttga caatgaccaa aagccaaaaa atataaaaata aaaataaaac 480
 aaacccaaaa taatggggcg tttccctttt aaaaaataaa ttttagctgc ntctcggnaa 540
 tanccaattt aggncccaag tggggcgcca tctattaaag gnacattagg 590

<210> 99
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA043790

<400> 99
 cttagtatat actttaatgc atgtttatgt gcaatcttgt tagtgggtat acaagtttgt 60
 gaagaacttc tcatttcaat aggcagttta tgtaatgcat taaaagcctg ggaatttggg 120
 gctatatttt tcctttctga ctcaataatc ttcaaagaat tcataggaaa gtcagtactt 180
 gcagacaagt ggtagcttg gctaaaatgt acaaaacacc cagaaccac aaaacactca 240
 gaggttttag agaatgtttt aatgcttaag aggcaggatc aagtgaaga ggttacagaa 300
 atcagtgtct ctggctgggc agtcaagaga gcgggctcaa attctgtgac tcacttctct 360
 gtgtctccgg ttgggaaatg gaatggggta tcttgggttc ccacctttcc ccacacg 417

<210> 100
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA043944

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 100
 ttaaaaaatac tcctttttgt aagtctttat tttttagttg ctctcccat agtaatgcac 60
 tgaaaggcat aacagtttat attgtacaaa gcatttgaag aaagtacctc aacttgctga 120
 ttatttcaaa atgagattac aaacaaaaag aaaacaaatc tggttcctca ataaagggca 180
 aaataactga atacagtctg ttatttactt ctctctttta acataagggtt gggaacactt 240
 cattttacaa ataggattaa catgaacata acatcgaca agcttgacaga caaccagcat 300
 aaaaatagga gtacagtttt taatcagaag aatcatgctt ccatgaaaga aattataatc 360
 gtttatacaa ttgaatcgat ttcagtatta caaaaactaa gttgcatcta ttcgtattta 420
 gttcattaag aaggaaaaacn aaac 444

<210> 101
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA043959

<220>
<221> unsure
<222> (1)..(398)
<223> n = a or c or g or t

<400> 101
aagaatctaa agtgtggatt ttattccatt gcacaatttg ctagtgtatt tcctgggtag 60
tgtggtgctg aataaatagg agtnnnnnnn tggggtgggg tgggtaaggg attcagataa 120
gccagaagca ggggtgatttt tagttggaat tgtaaacttt agtcagcccc cacacgctgc 180
tggggaatgt ggaatgttct agctctgaga tgtaaactga gaaaagagaa gtcaaacaaa 240
gccgatacgt gcagccctgt ctacagaatc cttcattatc cagtttaatc aggagtttct 300
tggtctttta ttaacttggt cccaaagaag gaattcaagt cctagataag taaatcctca 360
atttgctgtt ccctgaagta tggaaatgaa gttggggcc 398

<210> 102
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA044095

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

<400> 102
gttttggaat ctgctgtggg tccttccttg ttgaccattt ggtaacttat aatctgacaa 60
aaactcttga gctgcaacag gccttgcaga gggctcagga tnngaaagga agaaggggat 120
aggaaaagaa gaggtaattt tacatttccc ctttaaagta aatttttagcc aactcatcat 180
tctgaaatgt ccctataaag aatgagtcga actagaccag aagccagcct actccttctt 240
acatagcttc tccaacaggg gtagcaatga cctgtccact tcaaacacag ataaggcctg 300
ccantcctca ttggttaaag gcacaccgtg agactttcag tgggctctgc ttgagaagga 360
aggcagccca ggagtcagggt atgcaggcat tgcattgtca gtgtctgctc tcagagttaa 420
cacattcaat tgcttccaag g 441

<210> 103
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA044622

<220>
<221> unsure
<222> (1)..(538)
<223> n = a or c or g or t

<400> 103
ttttgaaaca gagttccact cttgttgccc aggctggaat gtaggggacc ccatctcaga 60
ggagtaggag agatacaggc caaaaagcag agagctacaa gggagagAAC aatcatgaag 120
gaaaagccag ttaggtgaat ggttttcagt gaaggatggg acgtgaacac ggggccctgt 180
gtgctggagc ttcagaaaat ggggtcaacc cccaggcacc ttttcagatt cctgcctcct 240
ccccacagcc ctctgtgccc ctacctctgc tttttaccta aggcagaact ttgttttccct 300
caaacgccca cttcctttcc ttatccccca aatacacaaa ccttgccctc tcctctccag 360

ggaaacgctg accagtttgt gtgaacgccca tcacccacac tcttgaaata tatctggaaa 420
 gtgccggaag tgaactgggg gatccttgcn tccaaaacag ggatgggctc tgaacgcccc 480
 accacggctg tgcacgcggc ctctggtgag gaancgtggt cacgatggct tcagggcg 538

<210> 104
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA044755

<400> 104
 ggaggttgca gtgagccaag atggggccac tgcactctaa cgtgggcaac agagaccctg 60
 tctcaaaaag aaaatattcc tgtagccct aaaggcttta catgaggaat ggtagaagtg 120
 gtcttttggt taaattagtt gcattcagca tatatgaatt gtcttaaata ttttggggat 180
 actccccgc cttttaaaca gggcataaga tctggtaaac tctctgtata tcttcctacc 240
 tttcaaaatc gttcttaggg ttagtcaagt ctggaatata attgctgact ataaagttag 300
 caattatgct ttttaagggtg tgtcacatca acctaaagag aaccatctat ggaagggtatg 360
 gttgaaacat ctgtagggaac acagaactgg gatttcactg agttttacca atcaactgtg 420
 tgaactgttt ctgcaactgt tgctaattgg ttcactaat aaatgtttac ttataaaaa 479

<210> 105
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA044842

<400> 105
 aaaggatttg ttcccttcag tgacttgagt gttttagtta tgcataagta tttctagcaa 60
 aggaagggtg gaaaggaatt gaaaattaat ttacactagt tgctacttgg gaataaaggg 120
 ctttttgagg ggggtatgga tattaatgt tttcgttata tacttatccc tattaaaaca 180
 ggagttggt tctttgaata tgcctaaata acagtattct taaaatctga cagacaagta 240
 acatgtcaat tacttgatat tccttgctc cagtaccaca ggccactctt gacatcccat 300
 gtttgcttg ataaagttcc tcatttcaaa cagtatacat acttctttgc agttcattat 360
 agtaaggctt aacctgtaaa cagtatctga tggccacct ataaataaaa ttcagcattc 420
 tatttttaat aatttgatg ccaccaattt gtattatttg totcaataaa tacttagtca 480
 tcaatgcaaa aaaaaaaaaa aaaaaag 507

<210> 106
 <211> 174
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA045365

<400> 106
 tttttttttt tttattttac tgcaagaat attttatttt atacatcact agccatgaat 60
 ttttgccatt agttactata caaatgctgc ctagtgccat tatccaaata gcacaacat 120
 tttacgtcca caattcactt ctatagttac aagtagaatt tttcacggag tttc 174

<210> 107
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA045481

<220>
 <221> unsure
 <222> (1)..(428)
 <223> n = a or c or g or t

<400> 107
 tttttttcag taatacagat gtctatttta ttaaaaaagt tacaacacagg tggactgcag 60
 ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct 120
 ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180
 gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240
 cagtgatttg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300
 aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360
 ttgggtcccct ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tcccccgga 420
 tccngcga 428

<210> 108
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA045870

<220>
 <221> unsure
 <222> (1)..(397)
 <223> n = a or c or g or t

<400> 108
 gtttagagtc taaaactaaa acctaatacat ttngtcacag tgtaaaaaaca aatggaaata 60
 acagctcaaa tcttcaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120
 tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaaataa tttcttcttt 180
 acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240
 catccccatt gaagggagag ctttctcaga catgaagcaa gggaaacata ctgaatagtt 300
 ttacacaaat ttgatctggc ttccatttgn cccctcatt tcccaaatgt ttaaantgta 360
 ttnggatttg ggattctcaa atgggtataag ttggcct 397

<210> 109
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046103

<400> 109
 gtcttgcaac tgcaatttta ttttcttttg tgaaaataaa caactgggag tttaaattgc 60
 tccaaaaacc ataaaaacaa aaagaaatac acacagaaga agcatgtgag gtgatgggga 120
 agggacacagg gtctctagaa ctttggcaga ttgtgctggc acggaccag gtgacaggag 180
 ccagaccatg gggctgggtcc cgctgccac tctgggattg tgaagggatg atcgccactg 240
 gcaaggacgg ggaggaacac agacttcttc gctgaggaag tggcaggcac cttgagtccc 300
 tttaaatgcg ggggttggga ggaacaccatt tcagaggacc gctttctcca ctgaaagctg 360
 gggctggcga gttcggggcc act 383

<210> 110
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA046410

<220>

<221> unsure

<222> (1)..(509)

<223> n = a or c or g or t

<400> 110

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tttttttttt ttttaagtcac aggcgcattt attattgtct ggaacatcaa ggcctttcct 60
cccctggcag tggcacaagg gagggccaac tctcagnagg cggccagtgc caccagcagc 120
aggcccaatg ggtgggcagg ggtcnatgng cgggnaaaaa nannncctnn agctngccga 180
aaagctggcg atntcaggat cctgggcttc gtaggacttg accaagcgag caaacttaag 240
gacaccttcc ccgtcgcagc tgaagccata ggtttgataa cctcctgctg gatctgcgtg 300
gccacgggca gcacgaattg cagcatctta cccatgtcgt tgcaggcggt atcccgagcc 360
tcgtccatgc gcactgcatt ctccggggcg gaaaacgctg gatcacctcc gcgagaccac 420
ctttgcttgc tcaacgctca aggcgcggcg ttggggngaa gcggaccata aggggctgaa 480
antctangtt cnacggaggg taaatggga 509
```

<210> 111

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA046457

<220>

<221> unsure

<222> (1)..(475)

<223> n = a or c or g or t

<400> 111

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tntggtaaaa ggtcaaggct tcaaaatgct aaatgatgag ggaaagtgtg gcaagtatga 60
ttcaattcta ttaaaagaca gaanaatcaa ggtaggcact tgctcaaaac tacgtgagta 120
gtcagagagg agacacaaat tagctttggg aactcccag aactccaatg tgctccagtc 180
aaaatctttt ttaaaagggt cctttgtaaa cattaccctt ccccgatct ctgtgaccac 240
ggttgccacc tgtgacatgg atttgcagcc tgcagtattg tacttccctt gcttggggcc 300
atctgtgcta ggacatgatg atttttctat gaaagcagct gttctacca tcacaaccag 360
ccttgaattg gtggcacaac ctggatccaa atagtggctc tggagcaact gggaataggg 420
cccggggacc atccaccag gtggcagcgc tgggctnaag caaaggggag tcagg 475
```

<210> 112

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA046674

<220>

<221> unsure

<222> (1)..(550)

<223> n = a or c or g or t

<400> 112

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taaattgata aaaatagctg tgtactacta attaatagaa aatcattcaa ccaagagaag 60
agtcaagtga atatcgtttg tttatttgct agtgagtttc tttgtaacgt tgattttatt 120
aatgataat atttggttag tatgtcctat gttaataaaa atgaacaaaa ttaattttgc 180
tatgttcagg tgtcttgata aaataacaat gctccagtgt tgttgcttac atttagcact 240
aaattttaac acagggtcag tgagtccagg ttttaacttc ttcattgctg gatgggataa 300
aatgtaattc attgttaaat taattcatat ttgtatttat taatcactgt gacaacatta 360
```

```

accatttgtt cttaccagga agtgggtcaga ttatcatctg agttacagtt agactggcta 420
agtttggatat tagatcaagg ggaatgtcca gtaaacagag aggtaagcat gatggaaata 480
atgaagtggg gtcacaggaa aaacctgact agtgaggagg agcagctgag agatagggnc 540
agtgaatccg 550

```

```

<210> 113
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA046745

```

```

<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t

```

```

<400> 113
tttttttttt gatttgtgaa ataggttttag caaaaatata ttgagaataa aaatcagaaa 60
ctggtaaaga aaagccaaat gaaaaaata tacaaagtta tcccccaaat gttgataaga 120
acctagcgag ttcagaagat aggcccaggt gagaagtagg cccaaccgag ccaggcctcg 180
aaagtgtctc gcgtaaacta cacgttgaaa gtggacgtgt tattggcatt tcattcaaata 240
ccatgaggag aaaaaactac gggaggaaat cttacaacac cattgctgcc accacctgca 300
gggccagctt ctactagga tggaaaagaa gcgtttctga ggaacaattc acattagtag 360
aaaaaaatga tacagccatt tccaaagagc agagtaatga tcacaatggc agtttcgagg 420
aatccagggg cagtcctcac acgggctcct cccagcctct cccgagtggc gacggcgctg 480
agagccagaa aggggggcacg cgaagacgag ttttngcgac ctttggaag cctacgtaca 540
cattcagagg gggttaaact tcctttgcca ttactttcct cggccga 587

```

```

<210> 114
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA046747

```

```

<400> 114
tttttttttt tttttcagca aatgtttgtt gaattttatt acttttttaa caaattactg 60
agtaatcttc cttagtaatc atttctgtaa ctacagataa aatagaaatt tataagagtt 120
tttatttttg ttacttgtaa aagtatatct cctagagaaa atatcagcag tggtagagac 180
cagaaaaagt aagtgtgtgt gttctaaaca gtgattccaa ctcaatgtgt tcagagaaaa 240
cactttgacc ctgtctgtgt ttacagtccc tgctgactgt gtactgtcgt atcctcagcc 300
ttgttctatt tctttatttt agctttacag agattaggtc tcaagttatg agaattctca 360
tggctttcag gggctaaact tttctgccat tcttttgctc ttaccgggct cagaaggaca 420
tgtcaggtgg gaaacgtgtt tctctttcag agctgaagaa aggggtctgag ctgcggaatc 480
agtagagaaa gccttggtct cagtgaactc ttggct 516

```

```

<210> 115
<211> 560
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA046840

```

```

<220>
<221> unsure
<222> (1)..(560)
<223> n = a or c or g or t

```

```

<400> 115
tacaaatact gtaaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60
acaatacaaaa ggggtttgtct gaaaagtctg gttttttttc tttttacaaa tgtaccttag 120
ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaaataat ttaagggaaa 180
ataaacacgt ttagcttctc tcgcagttta gtggtggtaa gtccaggctg tagcttcttt 240
gcgctcctat gtcccaagaa actgcagcgg gcacccggcg gctctggctg cgcagggcag 300
ggcgcgctcc gctccggggc gtcgggtctg aggtatgggt cgttgctgag tctctccgc 360
cccggccgcg cgttaccggc agtctgctgt cccggcggcc ggcagaaggg cgggctgggc 420
agctgcttga agaactgccg gagggccagg tcccgctga ntgctccacg cgctggtgca 480
gttctcgttt cagcgacagc tcacaacttt gtgcantcct gggtgcgccg cttggcttgt 540
ggggtttgcn acgggatgtt 560

```

```

<210> 116
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047151

```

```

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

```

```

<400> 116
agaaaaacca ccctcgtgtc acgtcgacga tgccaaatta tgttagcgtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaaac ctgacaaagt gcgcctgctt 180
tgatgtgaac tggatatagac aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
cacaaaggct tatcaaatga cactaaagat aagttcaaca accatcacat tggaggggag 300
aaaggccgaa catttcatgt ttggccgggc atgtgagtgc acaagatgga aagagcgatt 360
ggagcatcct ggtataatta cccccattgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttggtgtcc aggtttgtgg cactgttcca agag 464

```

```

<210> 117
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047187

```

```

<400> 117
cagggtaaaa agcccaacca ttacttttact ttaatagagg acagctactg gtgttaaata 60
cattttattgt aaacttttaga cacaaaaata ggttctctag gccattcaca tgcacattaa 120
aaccaacagg tgcaaaactac aacaatgcat ataattatac aaatgatgcc actctgtgat 180
gtttacagga ttgctgtcca tgcaagggtga tcataggcat tatttatgaa gccttaagat 240
ccagaagtgt tgttactacc aaacctctga ttaacactgt gaagtaagt ttttggaagg 300
cagttccatg agttgggcta acatttcttt aaagcaaagt actgcttcta agcttagccg 360
tacaagagat tttggttgaa ctgaaaatat tag 393

```

```

<210> 118
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA047290

```

<400> 118
 ataggtaaaaa tttttatttta tgaatgtgtg gacacatgac tttggatcca gccagccagt 60
 gacataaata aacttgagca aaagtgttcaa gctagaggat atatatgtat agaaaattat 120
 atatttgtgt gtgtgtgttaa ggctctttgg aacagtgccca caaacctgga caccaaccaa 180
 cagaatactc ccgtcctttg aaatttccat taagagcaca atgggggtaa ttataaccagg 240
 atgctccaat cgctctttcc atcttgtgca ctcacatgcc cgccaaacat gaaatgttcg 300
 ccttctccct tccaatgtga tggttgttga acttatcttt agtgtcattt gataagcctt 360
 tgtgctcaca gagagacatc ccactgaccc agccactggg tcattggtct ata 413

<210> 119
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA047379

<400> 119
 cagtttccaa atgggtatttt tatcagattg tttgaacatt taattatcct gtttgcaatc 60
 caaaatagtt acctgaagtt tgctgttttg tgtgtatgtg tttactttta ttgtatatatt 120
 atttttctaa actctttggc acaattttct gggggcggtc agactgccac aatacaagtc 180
 aggagagggc gttttctttg tgcggccaaa 210

<210> 120
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA047704

<400> 120
 aatgtcaagg caccacagat taaatatacct tttatttgac tcaaactgaa caataacatt 60
 taaaacacac aatgggaagc agcgcagtta tctctcaaaa tagacaatga tggtttttta 120
 agaggttgat aaagcatatg tagaaaagtc agaattgtcaa aataagtacc aaggagaaca 180
 tatactttga aaagggggct aaaacatgta gctatacaat ctgggggttct tatcgattga 240
 tggataagat tgattgagac agagtcttgc tctgttgccc aggctggagt gcaatggcgg 300
 tgatatcagc tcacc 315

<210> 121
 <211> 118
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA052941

<400> 121
 ttaattcttg ggaaactttt atttttattt ctagaccaat tgactatggg ataggaaaga 60
 aagttaggtg tcaaggataa agccaatatt tgactcaaac aatgtagagg atgttttg 118

<210> 122
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA052980

<220>
 <221> unsure

<222> (1)..(327)

<223> n = a or c or g or t

<400> 122

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tttttttttt tttttttttt tttttttttt tttgtttcac aatatattta atacaaaatg 60
gcagcagcac tgtgcagtta taacaaaatt agccataggg tatctggaga aatgtacaca 120
ggcagcctca gctggagtca tgcgagccaa ctccggcctg ctcggttagg gcctgtgcct 180
gctgcccagt cagctgtggg tggtcacacg gccaggactg gatggtgccc gtgnaagggc 240
ggtgcacaag ggctcagagg tgctgtacag gaggagccag tcttccaaca gtacacaaaa 300
gcacgctgtc ctcttgctct gccccccc 327
```

<210> 123

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053007

<400> 123

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gaaattctca taattttaat gatcaatagc ttctgggtggg ctctggatgg tacagttaaa 60
caatagactt aaagacctcc cccaaagcac gtccacaccc cctcggcagc gtctggc 117
```

<210> 124

<211> 115

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053033

<400> 124

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aaaatgtgga actagtattc attttttatt caaatatttt ataaattatc atattggagg 60
ccctatagtg tggtagttta cagcatgaac tctgtattcc aagtgctcac gttcc 115
```

<210> 125

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA053102

<220>

<221> unsure

<222> (1)..(392)

<223> n = a or c or g or t

<400> 125

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gactacaacc agtgttttatt cttgatttgt caccactott ttcatagtct tgttttcttc 60
cacatgttaa atatataata accaaaaactt tactaacata cgaatgaaga aaacatgcgc 120
aagtantngc atggcaggta gtgaggaaat ctggccagcc gactgggttc tttaccaagg 180
tttgcaagat aggttgtgtt tgaacacctt ctgtgggtct gtgtcatttc caagttgaag 240
aatttcagcc aaagagcaac atgtcacatt gattaaagat gggttaatgac acagaaacat 300
ttctgttaat actaagggaa aaggctgttc ttttatttat ttatttttcc tgagtctctca 360
cgtttttctt ctctgacaaa tgtttgaaat tc 392
```

<210> 126

<211> 327

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053248

<220>
<221> unsure
<222> (1)..(327)
<223> n = a or c or g or t

<400> 126
aagttttttt gctgtaagtt tattcaatgc aaaataatcc tctccaattt tactgaggtg 60
gctgaccaca tctcaacca aatccacctc taaactggaa ttcggttgct gaccagccc 120
cagcctcagc tttgctgtnc ggcaccaggc ggcacagcac tccgtctgta gggtatctct 180
gtccgctttc cctcttgtga gtcttgccgg tccgtaccct tcagaccttt aggctgagga 240
cttcagctct ctggacggct gcagatagag tggcaggcac aatctccggg gcagatgaag 300
gtaattcaac gggangaatc ntctcgat 327

<210> 127
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053424

<220>
<221> unsure
<222> (1)..(431)
<223> n = a or c or g or t

<400> 127
tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60
aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120
gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180
caggaccggc ttcagggcct gacttcggtc tctcttgac ccgccccgga ggcttgtggt 240
gggctctgtg tttgcagctc tctgaacag agctagatga ggggtgggagg cccccgttgg 300
ctcacacagt ggatgctacc atctccggcc tcttgatgt ggagctctgt gccagagtca 360
acagtctcca ggggtgggccc gaagttgttg taggcgntct caaggccgaa atctgctctt 420
cctcagattc t 431

<210> 128
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053660

<220>
<221> unsure
<222> (1)..(427)
<223> n = a or c or g or t

<400> 128
atctaaca aaa ggcactttat tgcattacca ttcacaatta acagtcaaga acaaataata 60
ataacaaata aaataacttt taagaggaca aggcattaga aataaaaaag gacactaata 120
acatttgtaa aagcttgtag tggatgtggt tgccccatt tgtgtgtgtg gttgtgtgtg 180
tgtggtgtgtg tgttggtggc cacagctgag cctctgtcac cagagaaggc tgaggcccaa 240
tggcacacct cagaaacct cccccgagg ctnggacggc tggactcctg agcacaagct 300
ccctctcgca ccctttgcca gacagtttgt ctccaatttc aaactgacct aaggctctta 360
ctctgggatt ttttgttttt aaaccttctc ccagccagtc ttcggggagg catgattaga 420

gaagngg

427

<210> 129
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053662

<400> 129
atgtgcatta tttttttcaa gcagctacct tgttaggaca tacttaatag ttatcttggc 60
ctacctactg cacttactaa acaactgttc actttttaat ttttaatttt cagatTTTTT 120
tgagacggat tgttactcta tcgcccaggc tggagtgagc tggcgtgac tctgctcact 180
gcaacctccg cctcccgggt tcaagctatt ctctgcctc agcctcctga gtatctggga 240
ctacaggtgt gcgccaccac atccagctaa tttttgtatt tttagtagag atggggTTTT 300
accatgttgg ccaggctgat ctggaactcc tgacctcagg tgatccacct gcctcgggtct 360
cccaaagc 368

<210> 130
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053680

<400> 130
ggaagtggca ggggaggtgc tgctgctcca gcgtatggga tgctgggagg agggccagat 60
gtcactgtga cctctccac tggcacggca gaaagtccta aacttctctt ggacttggag 120
tgtcgttctt ctttatgtct ctcttgtct ttcttctttt tgctcttctt tgacttcttt 180
ttcttcttga tttctcggtt agaatcatct atcactaact cccagcctc tagttcccca 240
ccagaggatg agtctgattc taccagaata ggttcaagcc ctgaaagatc aaggtagca 300
ctgtgggact ctgcgaactg ggaggcgtca gaccacagc cttcagggcc aggagatgaa 360
tgtgcgtctg aggatgactt gtgctttttc cgggctgttt tcagaaagct ctgtaactca 420
tgtcctagga gtaaagcacc ctgctc 446

<210> 131
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053917

<400> 131
cagagcagag ggtttttcta tttattacaa aagttgttac acaaatacag ctgaccagaa 60
ggtctaaaaa cagcccagac tcttccaacc ctcatgcac ttagataga aggagagctg 120
tggtcttgct cacacacagg ggagcccttc ttagaagaac tgctgtccc ttggaaggtt 180
cagagtcttg ggtccagcag cagagaggag cccaacctgc gtggacaacc cttgaggca 240
gcccttggtc acagctgctc tgggtgggca gcaggtttaa gtttcatagt tcacatgttc 300
ccaccacaca agtcaaatca aggcataaaa ataaaaggga aaaaggggaa ggctggaaaa 360
gggagcctgg aagaggttgc aggtagggga aggagacaca gtgggcttcc gagaagctgg 420
caatttcttg acttgatgg agtt 444

<210> 132
<211> 190
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055805

<400> 132
ttttttccac gttcagtcgc agttttattaa agttagaagt gtctccatcc accccctaca 60
gaggcttgcg tgggtggttc agtctgctaa atatttcaga atggggacct cattctatct 120
actgatttat caaatctcat taattaattt cccttgctga tatgaggggt tgggagagaa 180
gggggacggt 190

<210> 133
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA055811

<220>
<221> unsure
<222> (1)..(337)
<223> n = a or c or g or t

<400> 133
ttaagaattt ccaccacaa ttttattatt actgaaagca tttggaatga agcaaaggat 60
ttaacaatat atataaaaat atacattttt taaaaaatcg caagtagaca atagatttat 120
ggaattattt ttctgatcat ccagaaaaga tagcaaatagt aaactgcagt tgggtngaga 180
ccagccactg ngtcctatgag acctaagcag ccctaacgct gcctgagctc tcaagagtag 240
aagaaatgct cgacaaacag aaggaggctg tgggagggca gcaggacagc cccaccagaa 300
aaccagagcc caaatgggnt ggggcagggc caggggc 337

<210> 134
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA055892

<220>
<221> unsure
<222> (1)..(456)
<223> n = a or c or g or t

<400> 134
tttttttttt tttttttaat agaacaggtc aagataaggc tttatttcta tagaaatgat 60
gctttgacaa tagtttggtc tgggtgtaagg ctcacaaaag aaaatcacat gtaccatgtg 120
tgggttaagc ggtttgattc aactgaacc aggccagccc agttgccctc tgctgtgtcc 180
acccgtggag tggagctgtg tcacagccat cacactggta aactgctgta gctggtttac 240
caggctttct cttgccctga cagtacaggc gaagcctgta aataaatctt ctgctatctt 300
tgtgaactta accaaatccc agttacctta tttaaatggc aatagatctg tttccctta 360
aactagaaac cttaattacc tgtattccta cctccagctc aacctatata tttgcanctt 420
tccagtaagc aggttttgta ttttccatcg cccctt 456

<210> 135
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA055896

<400> 135


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tttttgcaaa tataagaagt aattttattg caatatactg tggctagagt ggtctgggga 60
gaacgggaca cattttgaag ttcagtacaa attataacaa ctttgaaggg accacagagg 120
aagaaaatga caggagaaaa ggacaaattg gatgggatga gaaatgaaaa cagaatcaca 180
tgacctagac gcagccacgg gggtcgcggg acagtcctcg gctatggctt ttcttttgaa 240
gagatgaagg tgacagtcac tggcacatgc ta 272

```

```

<210> 136
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA055992

```

```

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

```

```

<400> 136
ggtttgtttc ctttaattaa atctcaaatt tacaagagtc cagactgtct ggacagccca 60
acagggacac agagagtttt acacactgat gtctcaacag cacagggttc catcgggact 120
tcgtgagaaa atcaggatcc atgtacgttc ttgaagagct gtctctcggc ctaagataag 180
tgagagaagg tgccttgga gcgtagggta gaggtaggaa cagctggctc tctggccaag 240
gctttgnttt tttcgcggaa caaaaacccg acccacggga aagggctgct ccgagtctgg 300
gggtcagaaa tttcctatca gtngagtgc gcaggccagg gagaggcgaa agggagtggg 360
agaggactgt gggcgaaagg gagaggggag gccctgcac agcttcacca ggcgtcagt 420
caggctcaga cggccggact g 441

```

```

<210> 137
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA056170

```

```

<220>
<221> unsure
<222> (1)..(531)
<223> n = a or c or g or t

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```

<400> 137
gctctttatt cgtgagtttt ccatttacct ccgctgaacc tagagcttca gacgccctat 60
gggtncgcct cgacccaacc ggcggccttg agcgtgagc aagcaaagg ggtcctcgcg 120
gaggtgatcc aggcgttctc cgccccggag aatgcagtgc gcatggacga ggctcgggat 180
aacgcctgca acgacatggg taagatgctg caattcgtgc tgcccgtggc cacgcagatc 240
cagcaggagg ttatcaaagc ctatgnttca gctgcgacgg ggaagggtgc cttagtttg 300
ctcgcttggc caagtcctac gaagcccagg atcctgagat cgccagcctg tcaggcaagc 360
tgaaggcgct gtttctgccg cccatgaccc tgccacccca tgggcctgct gctggtggca 420
cgtggccgcc tcctgagagt tgcccctccc ttgtgccact gccaggggag gaaaggcctt 480
gatgttccag acaataataa atgcgcctgt gacttaaaaa aaaaaaanag g 531

```

```

<210> 138
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA056247

```

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 138
 ttttttttaa acaggaatga atcattttatt caaacaaaaac aaaaagctat ataattttga 60
 gaatttcatt ttttgagagt aaaaactaca aaattgaaca gcgaggagga aaaaattctg 120
 acaatgtgat tcaacattaa tccttttaaaa gtcactgtaa caaattttaa cataagtgt 180
 ttatttttct attcacaaaa ctaattataa tacaccacaa tgaattttgt tacgggttta 240
 tgtgtgtaat agaggggtata catctccata ctactagcta atttgtctgt ttgttcaaaa 300
 gagttatttt tctctttttt tcttctttga gacaggggtct cacgctcttg cccagggtat 360
 agcatnaagg gcacatcaca gtcactgca gccacaacct cctgggggtc aaccgatcct 420
 ccntgtctca gccttcaagt agcctggact acaggcacac at 462

<210> 139
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA056319

<220>
 <221> unsure
 <222> (1)..(394)
 <223> n = a or c or g or t

<400> 139
 gccagggtttt gtttggtttt ttacaaagt accgagatga caatatccat aattagctga 60
 ctcttacgta cacactgtga cctgatcatc ctgaaaaact ttatggggga gaaagggtcag 120
 cagcttctct tcttttttct tgaaaataat aaaactgcgt attctacttt atattttaa 180
 gtaaggaaga aaatatacaa gcccatattt atattgtatt tctattaaga gcaacaatag 240
 ttcatatgtt catgtttgtt actatcacaa ttcaacatat gaacacagat cagctctata 300
 ccatgaatac tgctggaagt gatgggttag gattaccaac ctactgctg catgaccaan 360
 acaaagcaaa tgccatccct gggaaataaa ccct 394

<210> 140
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA056361

<400> 140
 gaagcaagga gctaggaccc ccagtcctgc cccccaggag cacaagcagg gtcccctcag 60
 tcaaggcagt gggatgggag gctgaggaac ggggcaggca aggtcactgc tcagtcacgt 120
 ccacggggga cgagccgtgg gttctgctga gtaggtggag ctcatgtgtt tctccaagct 180
 tggaactgtt ttgaaagata acacagaggg aaagggagag ccacctggta cttgtccacc 240
 ctgcctcctc tggtctgaaa ttccatcccc ctacgttag gggaatgcac ctttttccct 300
 ttcctttctca cttttgcatg tttttactga tcattcgata tgctaaccgt tctcagccct 360
 gagccttgga gaggaggggt gtaacgcctt cagtcagtct ctggggatga aactcttaaa 420
 tgctttgtat attttctcaa ttgatctct tttcagaagt gtctatagaa caataaaaat 480
 cttttacttc tgaaaaaa 498

<210> 141
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA056482

<400> 141
accatcaact tatTTTTgtat tctataacat acaagactgt aaagatgtga cagtgtacat 60
tatatgacaa tgcacattag ccagcaagtc ttttataggt ggTTTcagca gcaacgataa 120
gtaatgcaga attcagctcc agcactttat ttcaaaagaa atttccctgcc tccctccaag 180
atgcaggggtg aggaggtagc ttgggggttg tattggagaa gtattcagtt tgctactttg 240
tgtcaccctt tgccattctt ttatccccag ttaattatta tctgcatata atataaatct 300
gctagaccat aaattaacag ctttcaggac agatgccttg aaagttctta gggagggttaa 360
acaaatattg tagcctaaaa cctcctctat aacaaacatg cacacaatgg gaagtgatgt 420
cgtaagttag tgatggggca ggaaggacct agggctctgt ctgactata aatcacctgt 480
gcccccaacc aatttaaatt attacct 507

<210> 142
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA056735

<220>
<221> unsure
<222> (1)..(388)
<223> n = a or c or g or t

<400> 142
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60
tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360
agtttgaaaa ataatttata tgtctagc 388

<210> 143
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA057678

<220>
<221> unsure
<222> (1)..(491)
<223> n = a or c or g or t

<400> 143
ggtagttcta tttcataaag aaaaaaatca tttactggaa tgagctaaaa tgctagagag 60
aaatccacag caataattat ccaaatatat gaacaatccc atcttcaaag atcattattc 120
caacattctc tgaggtgcaa ctaataattg ctaacttggc tgtgacttta cagtgcctgt 180
caatgtgatt tcaaggatcc cataagctat ctaatcacag tggatgcaca gtacatgtga 240
tgtgatcaga tgaaggtttg atcatgaact cnattaaaaa actgnaatat aagagagaag 300
gaaactgatg gggaaacact caagagcttt ggcaagatta gaaagggttaa aggcaggatg 360
gggaagaaaa gcnaggacat ctaagagtag agagagaaac ctaatccaag gttaccagta 420
cataccacca atactgccat ggggaggaag gttcccgctg gtaatttggg acagaccggc 480
acccttaagc c 491

<210> 144

<211> 517
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA058589

<220>
<221> unsure
<222> (1)..(517)
<223> n = a or c or g or t

<400> 144
tttttttctg taaaagcatt tcctctgaat attttattca gaaaaaaaaa acaaaaagat 60
aaggcagaaa caaaaatccc agtcatttgc agtatctggt ggctttcaat ttggctcctct 120
tgtttaaaaca aagaaaaata gtaaaattaa tctatgtaaa acatgccata tatattcaac 180
tgctactaaa tataaaaagc tataaaaactg tgtgttcaat ttgggttact gtattatcac 240
aacacttata ttaaaaatag tatactttta aatttggttt ctataaaaaa tggattctaa 300
tcccataaaa gttatttcct aatattcaat aaatgttgcc taagggnnttt ttctntccaa 360
atagcaatttt tattccggaa ttaagggtg ctcnaaattt ccatttaaca ggggtgagaat 420
gctgnattat taccagttag naaagttacc ggnctagagt ttattccgtt tagagtccca 480
tcngatana atttgaacct ctctgnttc ttacaac 517

<210> 145
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA059489

<220>
<221> unsure
<222> (1)..(607)
<223> n = a or c or g or t

<400> 145
caaattttat ttgtatacaa aaatatatta taatgngaaa gcttactgct atttccaact 60
atatataatt aattacaaat attttcataa aagcacttta aattacagga aagctatggt 120
ttaagagaaa atacaatatt agcatggatc gtctgttcta atatgctgca agaggtaaac 180
aaagtcagtt tcaactgtcta aattgcccag aaatgggatc aagggtgat ttttaagggtga 240
gcctgagagt ggctgtgtag aagggttnagt gcacgtcttt gtcccctctg gcagcagatt 300
ctagtagctg atttttagcag gtccctcgga ctttctgaag cttctccctt atgatgaaag 360
gaccagaac ttcttggttc acatacttgc taaagttttg tcaagatcag caatgaaggc 420
ttctagctcn ttngtgtctc ctaatttagc tttctgagga gtgacagtgg cagagagaag 480
agctggggta gactctgttg gagaattcag nttttcatca ctgaagctga gctgttccta 540
taaagtgaat ntgcactctc cgagtcgctg aagccgctgt tgtcgtgctg cttggctgct 600
cgcnttc 607

<210> 146
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA062721

<220>
<221> unsure
<222> (1)..(457)
<223> n = a or c or g or t

<400> 146
 ttttttttat gccaaatccc attcccaaga tgactatatatt ttatagttta ttatgaggta 60
 actgcctcca gacagataag cccctgcatg atgctgaaag tcagagcctg ggggtgaatg 120
 ccaccttatc tttgtcctcc tcagctgggtc tgcgtgtctc tgctcagaac gctgtgtagt 180
 agtgctccat tgtgctgaca atgtcactct ggctcctccag gagctccaga acttgctgca 240
 gcacagcctc gctcaggccc gggcggaatc tcaggcgagc acaggccaag atgtgcagga 300
 agtgacagcc cttctccatg tgatttggtt tctggcagtc ctgctgaatg atccggtgga 360
 tctttctgtg caggctcttg tcttctctgg ttacatagta taggttatca aaaccatcat 420
 cttctcgga aacaagtcct ttttctgca gcagttg 457

<210> 147
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA062744

<220>
 <221> unsure
 <222> (1)..(504)
 <223> n = a or c or g or t

<400> 147
 ccttccatct tttttccctt tgctcaggca cctgcacagc agctcaggac cactcagtg 60
 tggctccaac ccactcagtg gcctgcgctg tgggagctgc tgaccaatcc tcagtggctg 120
 gctgtgcact ccagtcttcc gtggggaact gctggatggg cacagaggga acctgcacac 180
 cctcagacca gtcggccacc tcaggctgag cagcagtgaa ctcaggagct ggtgcggtcc 240
 attcaccctg gaattcctcc ttggtcacag ctttctcagc agcagcctgc tcctccttct 300
 caatctctc tgggtctctg tangaagtaa agatcaggca tgacctcca ggggtgctca 360
 cgggagatag tacctcgcat gcggagtact tccctggcca gcacccacca catcagaccc 420
 actgagttag ctcccttggt gttgcatggg atggcaatgt ccacatagcg caggggagaa 480
 tctgtgttac acagagcaat ggta 504

<210> 148
 <211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA065173

<220>
 <221> unsure
 <222> (1)..(333)
 <223> n = a or c or g or t

<400> 148
 ntttttcatg aagaccagtt tattttacat gcttgccttc acattcttta ctgggaattt 60
 aaggcctttt ttcagcctta acttgatata caacctcaag gattttgttt gatacagaaa 120
 aggatagggc tgggccttct gccaaaggact gataacctgc ctgccaaaag gaagaggaa 180
 tgaaagcctt ttgtccttct agggccctta cagtacctca aaatctaaag gccttaaagg 240
 ggaaaaaac cgtatctgtt ctttctcctt atctcctacc cttctcttta agcatattga 300
 agatggactt ttttccaaat gtttatttgt agg 333

<210> 149
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA069456

<220>
<221> unsure
<222> (1)..(267)
<223> n = a or c or g or t

<400> 149
accgagtata ttctgtttat tgtttatgat ttacacagaa aatgatgggc tgggggttata 60
gaacaataaa ccaaccatta catttagacc tgggcttttg aaaaacttgc attccatttt 120
aacaattcgt atgtatctaa caaatacata aatccagatc acaaataatc ttaagagtta 180
aacaattaag aaacacaaag aataccacat agatctacct ttaaataatca gcattcatat 240
tataagagat aagaaaatgt tanaaag 267

<210> 150
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA069696

<400> 150
attcacagca tactttttatt taccaaagta catcgtacat tatacaaatc ttaattacat 60
ttacattata catttataat attaaaattg tgcgagtagt cttcaaatat ctgacaactt 120
tggggtcagt gaattattta agaaaaaaac tcagaagagt tttgaaaaag gagcagggtg 180
gattctacaa attcaatatg aggcaccagt gggagaagtc aattggatga gcacatgaaa 240
tatttagagt gtcctgtgagg gggaagtaac aggtctattg tgtgcagtgc tgggcaggct 300
gcatatggag aatgtgttaa aagagcattt gcaaacttaa gcattacttg aagatattaa 360
acagaatgat ggaagcctgg tcttttgatta tttattgctg acatatgcat tgcagtgatg 420
gcattaa 427

<210> 151
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA069768

<220>
<221> unsure
<222> (1)..(519)
<223> n = a or c or g or t

<400> 151
aaccacanaa gagtagcagt ccatttttctg gaagnngcgca tgatattatg ancaatacaa 60
atgcattatt tttatcatta atagtntaat cattaattat cncanaagtc aatgcagaga 120
gtgaaattan tntgaattaa acttcngttc anaatgtaca gtattttgca tatgtngact 180
ttacttaatn gtncaattntt gtttccaaag ttaangttaa atacctggtg catagggttg 240
tgtcaagcaa ttactctcat tgtcttgta tacatgctaa cattttgcta aatataaatc 300
tacaagtatc acagctgcat atattttctga agtggttaga acagaggagg atgctggaaa 360
gttgagttct ttaaaatctt cgttcaaaac aagagatttt catctatgtc ctcttcttta 420
attccaaagc agtggnccca ctccctcagg gtgatgtgct tatccttntt ggggtcacac 480
tcctntcaat aaacgggtta tgccagtgtt ccatggggcc 519

<210> 152
<211> 396
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070090

<400> 152

```
ggaatcccag ctccacttac caggccgcgg ctaccccgcc gtcccccccg actcccgcca 60
ccccgctctc tcaggctctt caggatccaa gtccgtaggc cctttaaggg gtctagttgc 120
cgtttgcgag gccctgggac tttgggtcca gacagcgggg atccggatgg cttccgtgcg 180
gatccgagag gccaaggagg gagactgtgg agatatcctg aaggctgatt cggtgaaga 240
ctgcaggagc tagccgaatt cgaaaaactc ttcggatcag gtgaaagatc agttgaagaa 300
gcccttgaga gcagattggc ttttggagac aatcctttct atcactgttt ggtagcagag 360
attcttccaa gcgcccgga aagctacttg gggggcc 396
```

<210> 153

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070091

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 153

```
ttcaggacat gtaattctta tttatTTTT accctcaaca aggaagaaaag gtctctccct 60
caattctgct cttccaatac ttgaggatag gcaccctaa ccctccttcc tccagggagg 120
cctcagcatc agtgtctgtg gacgtanctc tgaagagtgc ttcagctgat ggggaaggag 180
aaactcaaga cagagatcct cctagggatg gcgtcacttt cctgccaaact ttctcgttgc 240
ctctccttga aagcagaaga agtgccagcc ctcagcttcc gtcagatctt gggctcctag 300
ggccttgtag aagtccatgg ccctctggtt ccagtcaggc acggccaggc agaattggga 360
gcagccctta tccaaggcca ccttcagcca ctttttTgat tattttggaa ccaatcc 417
```

<210> 154

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070191

<220>

<221> unsure

<222> (1)..(429)

<223> n = a or c or g or t

<400> 154

```
tttaaaatta aaaagatata ttttttaatt aaaccctatc totattagtc cacagttctt 60
ttctgcatca aagccattga tcccaatttg acctgattaa atgtccctga agcactgagg 120
gtaggacca gagtgctgtg ggtgagagga gggagctttg tgtccctggg acccttgaca 180
aggtgacaaa atgcctgact agaagcccga gtagncaaga gacaggtgtt cagattcctt 240
gagccagaaa aggtgagatg tgtttctgtc cagggaggca agaactggcc tgctgtcctc 300
acagcccagc cactcaaaaag gggcatctcc caagatgant cctaaatcca gtcaaggatga 360
cagtaaagac tcggccaact gaagttcctg gggagtggcc tagacaagtt ttacaggact 420
taatctttc 429
```

<210> 155

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070206

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 155

```
tttttttttt tgaggcaaac agtcttttatt gggttcacac caggagtccg ttggtcttga 60
ggacctctgt gaacttgacg attttcttct ccacattctt ttctgcctgt ttccgtaacc 120
tcaagatctg cttcttcttc cgatagtgcg tcttggcctt ttcttccgt ttctcctcca 180
gagtggctgt cactgcctgg tacttccacc cgacctcatg cgccagacgc cccaggtaag 240
caaaccttct ggtaaggctt cagcgaaaca accttgagag cagcaaggga ccaccantcc 300
gcttttttctt gncatagggt ggagggattc cattcaaaaa ctttgaangc gct 353
```

<210> 156

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070485

<400> 156

```
tttttttttt ttttttttct tttcagggtt ggacttctta accatctttt tgtttttctt 60
tttcgaactg ccatagtcac tatcgtcatc atcttccatt aggaaatctt catcgctgcc 120
ggaatctttc tcttggaatg gtgcctcatc ctctcttct tgttcttct cactgcccac 180
atcttccatg agcatctctc tctgtttaga agctgcttta gatgccgcct gccgttgttg 240
gcgcacattt ttatgat 257
```

<210> 157

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070827

<400> 157

```
ttgtgggcaa accttgtttt aattgcaaac gacttaattt acagcacatt caataatgaa 60
ccaacaggag agttgctgac tttgtaacat atgaatatat aaaaatccct tgcaattcag 120
gtagtcaagg taaaaagcgc atacaaggaa ggcaatcctc atttttctga aaatgtttac 180
attttaaaag gtgactagac atacttggaa gttcaaagca gtaggatgta gcttgaggag 240
aaaagaaaac ctttttccat gttgttaggc agaagtatat caaatatatc ccaattccac 300
ttgataaagt cagttggatg acctcctttg aaccaatcta gggcagaaca cttagtaaaa 360
gcgggccctg ggtgggggatg tgaatccagg agaagagggg cacagatccc atgcagcgcc 420
aacacatcc attccaccct ctaacacata cgaggcatgt cac 463
```

<210> 158

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA071387

<400> 158

```
ggggctaaaa ctaccctga gtgtgggtccc acaggatatg tagagaaaat cacatgcagc 60
```



```

tcacctaaga gaaatgagtt caaaaagctgc cgetcagctt tgatggaaca acgcttattt 120
tggaagtctg aaggggctgt cgtgtgtgtg gccctgatct tcgcttgtct tgtcatcatt 180
cgtcagcgac aattggacag aaaggctctg gaaaaggctc ggaagcaaat cgagtccata 240
tagctacatt ccacccttgt atcctgggtc ttagagaccc tatctcagac agtgaaagtg 300
aatggactg atttgcactc ttggttcttt ggagccttgt ggtggaatcc ccttttcccc 360
atc

```

<210> 159

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074162

<220>

<221> unsure

<222> (1)..(349)

<223> n = a or c or g or t

<400> 159

```

tgctgtttta tcacatggtt ttacatggg gcattcactg ggtgtagagg ctggccgcaa 60
atacgaatgc ccgccgtagc aaggtagccg ctgtctccat cttggcaccg agcacaggct 120
ctcctaccag gcgggctngc ccccgagctg gagcgacaca tctnagccag gcgctgaatg 180
cagcggacca ccaggccctc aggggtccct gagagccctg ccaactcgna gaagggcatt 240
cccggtgccc actcatatac aacctcaacc aggcccaaaa ttcagctccc ccacaaattc 300
ctccacngtc tggtnnaggc cacaagccac cttgggacct cancaatcc 349

```

<210> 160

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074514

<220>

<221> unsure

<222> (1)..(330)

<223> n = a or c or g or t

<400> 160

```

gtgtttacta caaactgttt aattgtttct tatcccaata actttacaaa tatagaacca 60
catgctagtc tgggggtgct gtgcagtgag tcactacaaa ctgcctcagg cacagcttaa 120
tgccgctgag atccatctag gagcagtcgc agcggtggcc tcagccagtn gaggaagagg 180
gctttggagg agggctgcca agtgtggcca ggggacccgg cctcaggtct gtggagggtg 240
ttcaacagca cgatgctcat tctctgtccg tagtgtctcc atatactttc tcattcttct 300
caccatccag gagggtagga caaaggattt

```

<210> 161

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA074885

<400> 161

```

ttgccaatga tgttgagctt tattaatggc ccctctccag aggtgtctca gttgtcccca 60
gggaactcct cagagatcct ctgcctcccc acatatgagc ccgaggacac ctggggagca 120
gagaagttaa aggggttccg ggtcagacgc tgcactccac gcctgcgtcc tctcgtggc 180

```

tgcagtcacg atggccccag ctattcttgg tgcagctcca cagggtactc tccgtgcccc 240
 gacactgaac aa 252

<210> 162
 <211> 562
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA074891

<220>
 <221> unsure
 <222> (1) .. (562)
 <223> n = a or c or g or t

<400> 162
 ttcaacaatt tcccttttatt taatctccat attcatgtcc cctaaatata tatatatattt 60
 gattttgtta ggagaaagga gatttgggat tgggtattaa cacacacagg gtgcagaaga 120
 agcccactac aattgcttgc cttggaaagt aggacctggt cccagatact cgccaggaca 180
 tggttgagcag ctctcaagg aggacaacag gctggcagct gcgtgagact atgtaagtaa 240
 tggaagtctt ggggtgcaga ccattatagc aaccgcgcga gattcttgtg gacagtctgg 300
 tttccctttc catcatcaga atccccttga ggtgtgtact gaacttggtt ttcctgaagg 360
 attttaaaaa catcatggtg tccaaagtgt agtgcttcat ccatgggggt attattccac 420
 ctgtccntgg ggaaagggtt tacctttgca agcttccagc aaaaacttga caactttcaa 480
 catgaccctc tgctgctgcg acatgggaag gctgttctgg agtcatatcc cgctgctcca 540
 tgtccanggc tgacaaagca ac 562

<210> 163
 <211> 239
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA075298

<400> 163
 taatcaaagt aagcaataat gacaggttta ttgaaaattt ccagtagaga aaaccacta 60
 gtttttgaat aaaagtactc aatgtacgag agcataagtg aatacaaaag attaacagaa 120
 ggaaaataaa accaaacata gtacaaaaaa atttaaaaag tttgaaatga attcaaactg 180
 ggatgttctt taaatcctcc aaatatttaa cagagttact aagtttggca aaaaattca 239

<210> 164
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA075299

<220>
 <221> unsure
 <222> (1) .. (328)
 <223> n = a or c or g or t

<400> 164
 tttttttttt tgtttaaaat catttattat tatcaggagt gccttttagg tggaccgctc 60
 tgtatgactc tcatgcttca aaactatttt ttattcaagt gacttacaat ggcccttagga 120
 aacaagttct gttattatcc cccattttta aatgatgaaa atggacaaaag caaaagcaag 180
 caacttaacc aataccccat ggctcacag ccttttagaat agtcatatta tataaatatg 240
 gcaataacaa tgcnctgaaa atgtctccaa aacaaactct acatttttaa aaatgtataa 300

caggaatcta aggaaggggt cttacttc

328

<210> 165

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA075580

<400> 165

```
gtttattagg cagcagctgg gaaatcagcg gttagacttg gccacacgct ccagttcatc 60
tttcttcttg atggcatagg aattggagga gcccttggag cattaatgag ctcatctgca 120
aggcactcgg cgatggctct gatgttccgg aaagcagcct cacgagcccc tgtgcacagc 180
agccagatgg cctgattcac tcgacgcagt ggggacacat ccacagcctg tcgtctcact 240
gtaccggccc gcccaatgcy tgttgagtct tctcgggggc cactgttgat gatagcattc 300
accaggacct gcagaggggt ctcaccagtg agcagggtga tgatctcaaa ggcattgctt 360
acaattcgca cagtcatgag cttcttgccg ttgttacgac catgcatcat catggagtta 420
gtaaggcgct ccacgatggg acattgtgct ttgcggaagc ttggcagcat accgtccggc 480
actgtggggc aggtacttgg catacttctc cttcacagca atgtaatcct gcagagaaat 540
a 541
```

<210> 166

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA075722

<220>

<221> unsure

<222> (1)..(609)

<223> n = a or c or g or t

<400> 166

```
taactgttaa gaaaatTTTT gtggttttat tgtatcatga ggcattgaaa catctgaaca 60
aatcaatatc tgggcgggtg gtgaggcagc tgctttctcc ttcacttctt tgggttacta 120
gagcaacttg tcagtagatt aaaaaaacia aacaaaacia aaaataaaac aaaaacaaaa 180
cccgacaatc gtttgcatca ctttaagtct tccaaggcat gcgctggtac aacacaaact 240
toctgtcaga tgcgactagt ctagcatcca aacatcatgc acaacaccgt ggtgacagaa 300
gcgccctgca cccgctcccc cctcggccct gctcgtttgt gtatgatatt tggagcatct 360
ggaggagtga gctaggattg ggaagaggga ggaggaaaca gcgtgactgt ggccaggagg 420
aggtcagccg aagttgtgca gggcaagcct gaacatgtca ttggtgcnaa cccaagcat 480
cgttgatgtt ccttaataga aacatctggt ggaaaccctg atgggatctt catcagcctt 540
gagctggggc acaccatgct gatgatgcag ctatctggtg taagctggtg gtcttgcgcc 600
gtgatgcaa 609
```

<210> 167

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076138

<220>

<221> unsure

<222> (1)..(430)

<223> n = a or c or g or t

<223> n = a or c or g or t

<400> 170

```
tttgcgcact gaacgttgct ttattcattg gttaattttc ctaacagcgt tgtaaaccga 60
ggccgggatg tcctgagcgt tctggcagag gcccggtgcag cctcggtccc ttccgggtccg 120
cgctanctgg cctttgccct gagctccctc agcttcgcaa gatgagcttc ccagacgggg 180
ccggggctgg gctctgaggg aaaggcggtc ccgcaggtct ggggcccgtt tcccatgttc 240
tctaaagccc agcacctgtg gttcgttggt ggggctcgtg ggattggggg aagggtctgtg 300
gtttcgaggc cgtctgtggc gccccagcc cctaagtctg cgagacgcgg gccccgcctt 360
t 361
```

<210> 171

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076383

<400> 171

```
tttttttttt tgtaagaata gtttttaatc cattttctca caagcagtgc acagtggggc 60
ggcagtactt aagtacctta tcctaatacct ggatgtgctc atacaggctg tcaatttggg 120
tccgaaagta tttggaaagc tctcctcgct ttgctttcaa tgttggtgtc aagagcccat 180
tttcaatgga aaatggctct ggatgaagaa aaatggcttt gacctgttca aaagttttaa 240
ggccactttc tttcccaatt ttctgcaagt cttctaaaat ggcttccctt acaacttggg 300
tttggcacag ttctcaaaag gagcccttca cccaagctt ggctgcaaat gagggagta 360
catctgtgtc aggaaccacc actcctacta aaggatgacc gtaagctctc cccgtgtaca 420
aaaatttggg aacactgggt tgactcctgt tgtaga 456
```

<210> 172

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076672

<400> 172

```
ttttactttg aacattagca ttaagttggg taccgtacac atccaaaggc ccagcatctc 60
agaaaaatca ttaggcggca cacctgtacc agagtctcac aagaataaaa tatacaatgc 120
tacattgagt ggttaaaaat acacaaaaaa gtagttttta caatctataa atttttttata 180
cttaaaatca tgattgagtt gaaataaaaa agtgcatttc aattgctaaa aaaataatat 240
cgggtatagtt aacacaaggg ggaaatcagt acattgaggg atctgacagg atgctggaaa 300
aaatgactca gggaagccgg gcagcatggg ctccctttgga gattcaggag cggctcagtt 360
tccacctcac tgcagttccc tggggccaag cagccctcct ctccccagta tctttcccat 420
cttaagagat c 431
```

<210> 173

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA078862

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 173

```

agccttagat ccaaggacag tccaaggaag tcctaagacc atggagttgg tgatctggga 60
tctgggtttg ctgatatctc tcaccgtgaa tctcttgggtg gtgtttgtgg gcacgagagg 120
ggcagagaat ggagagttag gctaccacat gaagcgtcac cagagctgct ccctgctgcc 180
tgctcagagc accccggatc cactgttcaa tctgcacaag attcgggggtc cagacatggg 240
agacttcagc tgcctcagag gaccgtggac aggggaaggcc agcctcgcac ccctctgtcc 300
atgcctggaa atgactttaa ttaacccaag agtttttaat ttttgggaant ttgtaagctg 360
tcggttcacn tttttaaccc acccattcaa ttaaaccntt acaggaattg gcnaaaaaaa 420
aaaaaa

```

<210> 174
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA079758

<220>
 <221> unsure
 <222> (1) .. (382)
 <223> n = a or c or g or t

```

<400> 174
ggtggtcctg agagtgggtg gtgccacctg tccggggcgg agagagggcc cgaggcagtn 60
taaggccaat gnngggagaag caggggggctg cagctgngcn atgcggtgaa gccaggccga 120
ggcctggagc agctgtggta ggccagggca ggggtggaagg caccggactg ggaccgggcc 180
agggctacag ggccgaggac ccaggccaca cgggcacccc gggaaggcgg ggcacaaggg 240
tcacgtgaca cagaacatga aacacaggca cagggttcac agtaagcaca ttggacaagt 300
gggcacaggg tcataggcca gatgcacatc cagccatggc tggggccaga cacttgggac 360
acagtgggtg tgtcacacac ag

```

<210> 175
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA083812

```

<400> 175
tacttttttt taaaagattt ttttgtaaag aagggttgta tttagaggcc agtagctaga 60
gatccaacca gtggacctct tgaagcacta ccaggcctta aggcaccatc cgaggagagc 120
tgggaaaact attattcacc caagcctccg gaaatgtaat gtaccagcag gcaaaaaaca 180
gttcttcatg tagtacaaaa tgaaacgaaa caaaaacaaa aacagaaagt aaaaatgaaa 240
ccaaaacatt tcttaaattc tagtgccata gcttttttgt ttgtttgttt tttgttggtg 300
ttttgttttg ttcataagaa agagagaaaag atactactta tccgtcagac acatgcatcc 360
tcatgtggtc gttgaactgc tccgatttgg tcaa

```

<210> 176
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA084286

```

<400> 176
tatttttaac tttattttta ttgttgacac tattacagat agaatgacca caaccatatt 60
aacaaaccaa aaacctgtgc acagaaacaa gatgaagaaa atatatcaag atgttaacca 120
cactcttttg atggtgaaaa catgggtgag tttctcttct acatttctgt aacttcaaag 180
tttctataat gaacacattt catatataat ggaaatatat gtagtaaagg tggactacca 240

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aaacactaga atgatgacct ttcaaggaaa ccgaaacaaa ataaccataa tcccacaaca 300
 accacacaac tattttcttgt ttttcatctt tcttcccatc tttgacattt atgcatactt 360
 atcactaaca ccctaataat cacagactag tgcacagatc aagatgtt 408

<210> 177
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA084318

<400> 177
 ttttttttga aaccaagttc atctttatct aaaggattga caatcccatt ttaaacaatt 60
 ctttgattta caaagaggga ggtagactcg ttagcctccc aaccttagct taaatcgtga 120
 tgttgccagg ttccctgggtg ttcagctgaa tcctagacag tttcccttct cttcataaag 180
 ctgagaagaa aaaaaaatta tctccatcta ggcccacggg aattttgtgc atagacagtt 240
 tgaattgggtc tgaaaagtgt gactagctac ctacctattc acaatgccta gaaaatgggc 300
 taccagatat ggtagtgggtc aaagccccga ctttcctgtc tgaggtagctt gggtttgctc 360
 taaggtagac cttgggaagg gccccctaatg 390

<210> 178
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA084343

<220>
 <221> unsure
 <222> (1)..(442)
 <223> n = a or c or g or t

<400> 178
 tttttgctgc agaaagacct ttactgggca gatgggggtg ttgagatacc agtggacaga 60
 gtgagaggat agcatgtcct ccagaggcgc gggggtagt tccctgcctg ggagcctaag 120
 cctgaatgca ctaagggtctg gcaccacaga cgggctcagg ggaggccgc ccacaaggnt 180
 ttcgggccct ctttcataga gacaccaccc ctgacctggg gtacacggcc atcgcgctca 240
 cagttgtctt ggctgggtctc aggagcactg tgggatgggc ttgggggctc aggagggtcc 300
 ttcaggaagg aagaaggagg ctggtggtgt gtagtggtgg catgtgggag atgctggccc 360
 caagaatgat gttcagggtt gagcagaacc attggacct gaacttgtgt ttcctttggg 420
 ctcatattgga acagaaagct ga 442

<210> 179
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA084408

<400> 179
 tatattgtca ggctgtaat tagttttgga ctggtagtta gaagaataag tggaattatg 60
 tgaagggtcta ttagtggttag ttctcggtg tgtgagggtt ggagggtta t tatatggttg 120
 gttagtgtgc cgcgttgggt ggtaataatt atgtatatg agtatatacc tgtaataata 180
 atgttaattc ctataagaat aatggtaaaag tttgatcaag aaaataatga tatggtaatg 240
 aataattctc ctattagatt gattgaaggg ggtagagcta gattagctag acttgctatc 300
 agtcatcatg tggctataag tgggaagacc atttgaagtc ctggggccat gattatagta 360
 cggctgtgga tccgttcgta gttggagttt gctaggcaga ataggagtga tgatgtgagg 420
 ccatgtgcga ttattagtaa 440

<210> 180
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA084668

<400> 180
 caacagatga agaaagtttt aatttctttt cacattaaac attgtttacc acaatcagct 60
 aacagaaatt actgtaacat tgggtcacgat gacttcataa aactaaagat aaatgttatg 120
 aggaaacttc atttaacgtg aatggtaatg ttagatactg tatttttcca tggtaaaaata 180
 caacttatct tgaagagaaa gcaaatagtt cagatcaggg agacatgctg aggttttaaat 240
 aaagaaaagc ttggccttgt ccagaacact taacaaagtt caggacaatt taggtaaaaag 300
 agatgagtga gacaccagcg ttaggcaggg acataggctc atcattcagg ctttatggt 359

<210> 181
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA084901

<220>
 <221> unsure
 <222> (1)..(413)
 <223> n = a or c or g or t

<400> 181
 gagcagttga gcgcggggnt ggcggggcggc ctccgtgccc atgattcagg ggcacagctg 60
 cccagcagac acacactttc atacgcactc acaccccacc cccagacaca cccccaggctc 120
 tctggaactg gcccagggtc ctgctgctct cacagccgca ggacagggtc caagggctac 180
 cctcaccccc acccggttc ctagcgccct ggacgcccac ggccctcttg gacttcttgg 240
 tccttgaggg gggacggatg gggagagggg cggtggtcga gggcggcggc ggtggcagga 300
 gtggaggtag aggtagctcc gtgggctccg gcaagcttgg ggctgggccc aaacccctca 360
 aaaggggaga acttgagggg gctgacgggg gcccggggct actgttgagg cgc 413

<210> 182
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA084921

<400> 182
 caacataaac tccaacttca ctgaggtggc tgaccacgtc cacgaccaa ggcgcctcta 60
 aactggaact cagtggctga gccagcccca gcctcagctt tottgtcagc tccagggggc 120
 acagcgctcc ttctgtaggt gtctctgtca gcctccccctc ttgtgaatct tgcaggctcg 180
 tcacctctg gacctttggg ccgagggcatg ccggtctcgg gacggctgcy acgcaggggt 240
 ggcgggcacg atctccgggg gtaggtgcag gtagtctcgg agatactgga tgccctcggt 300
 cgtaaggtag cagtagaat gtctccaagc aaactgttcc ttcacgtagc ctcgagactt 360
 gagagactgc atggccttca ttacatgaag gttgggcaca tttttgtctg ccagctccgg 420
 gtgcttaggc atgtg 435

<210> 183
 <211> 572
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA085987

<220>
<221> unsure
<222> (1)..(572)
<223> n = a or c or g or t

<400> 183
tagaatttat ataaatttat taatttat ttagttgtag gaaacatcag aaaaaaagta 60
aacttgccca gcacttcata gctgtatttt gggtttttat caaattcagc tccatttgac 120
ataagcaatg attatcttct caaatacacc accaccaat ttcatagcat cattcttttt 180
cccaaagca agaaatcata tgctgttctc agtgcactcc aagccattca ttcatttcac 240
ctacactcta aagggtacaaa gcttcccttc tttaaacaca caagggtggca cctatgaagc 300
aggacagaga tgaggactga ccattattgg ttaaggatca attgcaacca tctgcagaag 360
ccaaaagata agattaaaac tgccatttgc agtaggggca gcggtgggac cacctttgaa 420
tcccgcactc ccaaacaggc catgtttcag agtaagaaaa gtaatctaga atgccagcct 480
gtctggcacg tcctctggaa aatggcacat ggtcatcctg attcaaagac accggngggg 540
ggcacggata catatnccaa tatcctttac tg 572

<210> 184
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA086071

<400> 184
ttcttgcttt ctttaaactt ttatttaaaa gtccatgcta ataattgtgtt tacattttta 60
cagttacatt atgatagaaa ctgttggatt ttttaaatat ctaaaacaat ggcccactga 120
agaaaggaac aattaactct ttaattaatt ccttaggata aatacccaga aatttaacag 180
ctagggcaga cttctaatac aataccgaaa gtcccttcaa aaaccaagtg gttgccaact 240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaagggt aattaacccc 360
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

<210> 185
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA086201

<400> 185
tttttttttt tttgctataa aattatctgg gtttaattat tatcaatatc agaactatag 60
aacattaacg tactaaacct gtatttacia ttacatgtac aaaaaaaaaat gttctttgtg 120
aggagcaatt ttcagcaaat ctgacaaaca gcaagagtca ttcctatttt gggtttgaaa 180
agagaaatgg aaatttccaa gacgcccccc tcctccctct cactccagtg accctctgaa 240
catcaatttg caaaggcctg aggtagaaaag ggaggtatta acaatatcag gcactcattc 300
ttccctctct atgaaaggga tgaattttta ggaaccggtt tccatcattt attatactga 360
tgttgccatc catctgcacg attaggttca gtaggttacc atgacaat 408

<210> 186
<211> 460
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA086232

<220>

<221> unsure

<222> (1)..(460)

<223> n = a or c or g or t

<400> 186

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ttccaataag aaataagttt gtttattcct gtagcgtaaa aatctgtgct tcgggattca 60
gcgaactctt ggaaagcatt ttctgcaccc tactgggtcg ttttccctgc aaaactgctg 120
ggatgcttga agaagtggta gtcagttggc aagagggtcag gtgaatatgg tggatgaggc 180
aaaatttcat agcccaattc cggtcaacat tttttttttt ttgaaatgaa gtctcactct 240
gtcgcccagg ctggagtgcg gtggcacaat cttgggtcat ccgcaacctc caccttccgg 300
gttcaagcag ttctcttgcc tcagcctctc cgaagtagct gggatttaca gggcgccant 360
aaccataacc cagctaattt tttgtatttt ttagtagaga cagggtttcan catggttggc 420
caggctgttc tcgaactcct gacctcaagt gattccgtcc 460
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<210> 187

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA086412

<400> 187

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atgttcccac aagcttttatt ccaaaaaataa ttttatttaa taggtattaa ataatgtata 60
gaaggaaaag gagctgggtg caggttctgt ttacgtcctt ctcttaccct agctcttctc 120
gtgtttttgccc tatttttttg ggcattttct tagcatgggg atcttctagc tccttggcct 180
tataataatg gggagccacc tccagaagcc aactgctctc aatctccagt acctgtctca 240
tgaactcttt ggtgggtcaag acaagttcgt ggtagagcag ccagcgtggt gtttgcctca 300
agagggagga gttgggatga atgaagactg tctgctgctg tttcactgtg cgggtaccact 360
ccgagtcacac cgtgccgtgt ggtaaaagta accagcagtg atggccttgc gtacacggat 420
atagtcccccc tggcagga 438
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<210> 188

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA088698

<220>

<221> unsure

<222> (1)..(354)

<223> n = a or c or g or t

<400> 188

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tttttttttt tttttttttt tactgttcca atgccagtaa tcaatttatt ttctttcatta 60
aaataatata cacagaatgt attgttagtt cgattccttc aaattttata catatttact 120
ttctgttaaa gagaaaagga taaaatggta taaaaaaaaga taaagctatt aattaagcac 180
gagagagaag ataaatggat attttccctg tgtgaggcta agacagaagc aaatctcggt 240
aagaaaaatg ccacccacac aacaggaaat ttatccaaaa caaaacaaaa gcngttatag 300
aacccttct ctaccatcag aagtaatttc acagcaataa acttattggt taca 354
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<210> 189

<211> 334

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA089997

<400> 189
ggtaaataga agtccttatg tatgtgttac aagaatttcc ccacaacatc ctttatgact 60
gaagttcaat gacagtttgt gttttgtggt aaaggatttt ctccatggcc tgaattaaga 120
ccattagaca gcaccaggcc gtggagcagt gaccatctgc tgactgttct tgtggatctt 180
gtgtcagggg catgggggtga catgcctcgt atgtgtagag ggtgaatgga tgtgtttcgc 240
gctgcatggg atctggtgcc ctcttctcct ggatcacatc ccacccaggg ccgcttttac 300
tagtgtctgc ctagatggtc agaggtcac aact 334

<210> 190
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA090257

<400> 190
tagaaataga aaaggtaaaa ttgcttttct tctgaaaaga acaagtattg ttcaccaag 60
aagggttttt gtgactgaat cagcagtgcc tgccctagtc atagctgtgc ttcaaaaacc 120
tcagcatgat tagtggttga gcaaaacaag gaagcaaagc aaatactgtt tttgaattct 180
atctgttgct tgaactatth tgtaataatt aaactttgat gttgagaatc acaactttat 240
tgtacacttc attgcaactt gaaattcatg gtcttaaagt gagatttgaa tttctattga 300
ggcgccttaa aaagtatacc aaccataagg ttaaactctat gtatattgag 350

<210> 191
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA090434

<400> 191
ccataatgta agaagctttg gtggcagggt acagagttct gggatttctt ctcacaggcc 60
caatcctgaa tgtgcccctg gaccttcttg acccttgagt ccaaggcaga tcctctctcc 120
cagggatccg acacaggagg aaccccttct ctggttgagc tgggccaggc ctaagagtag 180
caggaactct aagaccacag agtttttata aatgtataaa tgtatcaagc caaatgtgca 240
gatgctaact gggacattct gggggactgg acaccag 277

<210> 192
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA090439

<400> 192
attgtattaa gtttattcag ttaattcact tgaggaaacta accagttttt actttctgtc 60
tagaatgatg tacatgtagt aattgcaaaa gccctcataa agccctccgg cttgaggaga 120
gagtgtatag tcatgggttc tgccctctgtg cccttgctgg ccgcttctcc tctgccttct 180
ttctgggact caggggtgtg gggctgagcc tgtaggggac agcatgccgt cttgctgttg 240
gcactcccaa gtgtgccctc ttccctcttt acaacaagg gt 282

<210> 193
<211> 370
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA091752

<400> 193

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gaaggctaag gcagtatctc gctcacagag agctggccta caagggtgctg gagctggcag 60
gtaatgcttc taaggatctc aaagtaaagc gtatcactcc gcgtcacttg cagcttgcaa 120
tccgtggtga tgaagagttg gattctctta tcaaggctac catagctggg ggtggtgtga 180
tccctcacat ccacaaatct ctgattggaa agaggacac cagaaaactg cttagagggg 240
tgctttaacc accctcttct cccgtcaatt gtactgtaac tggggcagg aaataatggg 300
gatatgtgga ttttacacag ttaatggaag catagcaata ctgtgggatg ttaaagaaca 360
ttgtatgttc                                     370
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<210> 194

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092129

<400> 194

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tgcaggacaa tgatggctat tctaaacgct aaggaaaaaa aacaaacaca gaactgtttc 120
aagtactcaa gactgactta cagaccaacc aaccaccttg ctggaaccct tgctagcagg 180
cattcttata aaagaaactt tcgagcctcc ttatattgct ggaactcagc tgtgctccag 240
actagagcct ccttacctat ctatatgttt aattaatttt tctctatatc atgtactctg 300
ctttttttgg tacagt                                     316
```

<210> 195

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092290

<400> 195

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gccagaatta aaagtatttt ggggtggtgct gagggtcaga ggaagaagta aaaattgtga 60
gaaaggagaa acatgggctt tgggagaacc cagaattggg gacagaagac ctggcactaa 120
gctatagcac ttagcacctc tgatcttggt tttcctcgtc cgtaaaagga gattaacagt 180
gcttttctgc ccacctcttg gggagaaggg aataatttag ttggtaaaaa aaaacttttg 240
aataataagc actctgtctt tatataagta gccaaagcatt attattatca cccatatcac 300
tggtagatac                                     310
```

<210> 196

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA092376

<400> 196

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ctgggtgccg cgtttgggct acggttggtt ttggcgactg tgcttcaagc gttgtctgct 60
tttggggcag agttttcatc ggaggcatgc agagagttag gcttttctag caacttgctt 120
tgcagctctt gtgatcttct cggacagttc aacctgcttc agctggatcc tgattgcaga 180
ggatgctgtc aggaggaggc acaatttgaa accaaaagct gtatgcagga gctattcttg 240
agtttgtgga taaattggga aggttcctca gtccagcttt gttaggggtga taaccaactg 300
ttcagaggct caa                                     313
```

<210> 197
 <211> 368
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA092596

<400> 197
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 tgtgtcgata cttgtcaaat cagttactgt tcaggggatc cttctgtttc tcacgggggtg 120
 aaacatgtct ttagttcctc atgttaacac gaagccagag cccacatgaa ctggtggatg 180
 tcttccttag aaagggtagg catggaaaat tccacgaggc tcattctcag tatctcatta 240
 actcattgaa agattccagt tgtatttgtc acctgggtca agaccagaca gctttccagg 300
 cctggtatca ggagctctca gcctctgagg ccctactaga gtctagagtt ctgatctgtt 360
 ctcagtag 368

<210> 198
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA092716

<400> 198
 gcgagtcttg aactctttct tcggggcccc ggggcacacc atggaggtct cctggttgaat 60
 ggcccttggt gccctagagt gggacccagc cctcacctcc cccagagcta acctggggagg 120
 tgcgtgaaggg gcattgggcc accgtaagca agggaaaaag ggcagatcat gcggggagat 180
 gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgattc cccagctcc 240
 tggagagatg tctaatatct cttaggggacc agaccctaaa ttctctctcc ccatttgatg 300
 ttagtggt 307

<210> 199
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA093497

<400> 199
 aatgttaaga aagcagatag cagcaccacc agaagaatc aaaacagttc caaaaaagaa 60
 agtgagtctg aggatagttc agatgatgaa cctttaatta aaaagttgaa gaaacccct 120
 acagatgaag agttaaaagg aacaataaaag aaattactgg ccagtgctaa cttggaagaa 180
 gtcacaatga acagatttgc aaaaggggtct atgaaagtta tcctacttat gatttactga 240
 agaaagattt cataaaacac tgtaaagagc tatttctgag atagagcaga gagatgctcg 300
 tccatagatt gagg 314

<210> 200
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA093923

<400> 200
 gtcataatgg accagtcatg tgatttcagt atatacaact ccaccagacc cctccaaccc 60
 atataacacc ccacccctgt tcgcttctg tatggtgata tcatatgtaa catttactcc 120
 tgtttctgct gattgttttt ttaatgtttg gggttggttt tgacatcagc tgtaatcatt 180

cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggttc 240
 tgcacgtggt agcatttgac cacagtggac gcgtggctat gcaggtgatt cctcagtcct 300
 ccttggtct 309

<210> 201
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA094507

<400> 201
 gaacccttca ggccatgctc ttgggtgtct ggattctgct gcttctggca tctctggccc 60
 ctctgtggct gtactgctgg agaattgtcc caaccaaagg gaaaagagac cagaaggaaa 120
 tggttgaagt gagtggatc tagccatgcc tctcctgatt attagtgcct ggtgcttctg 180
 caccgggctt ccctgcatct gactgctgga agaagaacca gacttaggaa aagaggctct 240
 tcaacagccc agttattctg gcccatgacc t 271

<210> 202
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA094517

<400> 202
 aaaaccctca accctcacct tggaaatata aagaaggagg atatgaaaga gaaggtagaa 60
 tttaacagct atctaataa tgctgctgaa tttaattaga tggagctgga aagccttttc 120
 cagcagggca agcaccttaa tttttatggc atttattagg acatcttgag ctactgcata 180
 aattttaact gatacacagt agttaat 207

<210> 203
 <211> 278
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA094752

<400> 203
 gctgggaaga gcttcagcag tcccatgtgc acgtccatga cttgcagagc tttggccttg 60
 acaacatcaa catgaccac tgtgtacatg aagggtggacg gagaggtact gaggactcat 120
 cgattcgctc atctaccact cagcacgagc catccagaag gaaattgatc tagggaggac 180
 accgtagtca ccctcggtct tccctgtgtc ctctttctcc tggcctgtgg tgtccccagc 240
 cttgccacct tcacctctgg tcagcccagc ccagggtga 278

<210> 204
 <211> 344
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA094999

<400> 204
 gaggatcaga ccttctttcc cgtgagacca gtatttggcg ccatatataa gcctgggtta 60
 attggtcatc taaagctgtc aaataagaca ttctgtgaaa ggtaaaccatc gaaactgggt 120
 ataagtaaaa ccatcaagcc aacaacaggg tcttgagata acctttgaag cttattgtac 180
 tggcctgcac cagaagatgt ctgcattact cattgctaaa aatgtgtagc acagaactgc 240

actaggatta atttgtttac aagaagaaat ttaaactcta cgtttggttt tcacatacag 300
cagctctatt gactaacatg catctgagtt taagttgcaa aggt 344

<210> 205
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA098864

<220>
<221> unsure
<222> (1) .. (465)
<223> n = a or c or g or t

<400> 205
gatgatcaat aacttattct ggatctcagg tttgtaagac ttgaatgcaa gagaatgaag 60
accttcacgc tttctctgta agttttcatt caaaacatct ttcaatttct tttttttctt 120
tttctttctt tttgccctca ttttagtttag tttgagtttc ttgtggctct gtagtgactg 180
gctctaatag aatatccctt acaactttgt ggcagttaat ttctggatga tcaactgtgac 240
ttccatttac atgtatttgg caagatttta gagtattttc ttttaaatgga ctgggttcaa 300
tcttnattct ggaagcttca ccgtattttt cctgattttc tataaacctt attttcacct 360
ggactgagag gctctccaaa ggccagtaac ttccctgga ctccctggtt tcccnaaaat 420
tttcctttac aacaatcagt ttttttaatt tcacaagggc tggga 465

<210> 206
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA099225

<400> 206
atttcattca ttttataata ctttggttta attattattt agaacataaa tcaatgtaaa 60
aatgtgggta tatacatata aaaatacata aaactaaaaa gcaaaaaaat ggcatttaac 120
atttagccat aataatata aacatactac aggtcacatg tacattttca ttcataataa 180
cttagtatgc ctaataatta tgttaaaaca atattcttaa aatgcttatg tatacaatgg 240
aatcttaaaa tgtgtgtgat tcgaaccatt tacactgtct taagcactca aaagaaagaa 300
actgtcttct gaatagttcc taa 323

<210> 207
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA099391

<400> 207
tatctgcttt ttgctgctag tttcaaactg ccagtatttt tccttttgct tttaaaatag 60
ttacaatatt tttcatgata gccacagtat tgccacagtt tattataata aagggttttt 120
atttgattta gcgcattcaa agcttttttc tatcactttt gtgttcagaa tataaccttt 180
gtgtgctgt atgttgtgtg tgtgcatgtg tggcgatat gtgtgttaca ggttaatgcc 240
ttcttgaat tgtgttaatg ttctcttggg ttattatgcc atcagaatgg taaatgagaa 300
cactacaact gtagtcagct cacaattttt aaataaagga taccacagtg caaaaaaa 358

<210> 208
<211> 275
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099404

<220>

<221> unsure

<222> (1) .. (275)

<223> n = a or c or g or t

<400> 208

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attagcataa ttacttttatt ctaacannta gtttaacaca aattcctaata agtctgatcc 60
agggatcttt ggggtctacg cttcccatcg cctcagtgtc cgggtgcatga ggaagggtgtc 120
ctctgaaggc cggggccgga gttgaagtcg gagagggggc agaccgtcca gggtcagggtg 180
tgagattca taaaatagcg tttctgggtc acacaagatg gtcattgtctg gcccaggccc 240
aggtggctcc tggtgggagg ttggggcccaa agcaa 275
```

<210> 209

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099571

<400> 209

```
aaatactcaa tttattctaa tttgaattag gttggtgtag gatgacaaaac tccaagcaaa 60
agagcatttc ttctgggctc ccagaaatag cttcaacaac acatttgtat tttcccttag 120
aaaattttat tcccttgaag gagaatgata ttgttgtatt cacagtctct ccttcagag 180
ctctgcaaaa agagtaatcg tcatcagatc ctccggcaaat aacttctttg cgctttggaa 240
gattcatggt gttgacagtt atatagagat tgaaatataa ttgcttttaa tctctccttg 300
gaatgtagaa aatgtgcaat aatcctttgg atcctttcaa ttctatacag gggttaacat 360
taattgaaat tgggtattgc attttatcac agtaggtgta tgaaatactt gcattcgatg 420
agttgcagac ccaatactgc ttctgagctt cagtaaatat ggaagaaaac agggg 475
```

<210> 210

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099589

<400> 210

```
ggaatgtaaa tcttttatta aaacagttgt ctttccacag tagtaaagtt taattctatt 60
aatggtttca taacacgggt gatctaagta atcatcagtt ctgtaaagtg caagagcatg 120
accagtaaaa tctataacgt cttgacccaa atcaaatttc ttatacacat ctgcattgt 180
ggctcttctta ggatcaatgc cttcaaaagt tcttgatct ttttcacga agttggcaac 240
atacactagg aatttcctga agcgacgttt ttcaaacaat cccattaggc tagatgccag 300
ggcttctgct tcagtgggaag gaaccttgta gatttttcca cccttataga caaagctccc 360
ttcagtcact taaaatcca gatagcgagt tacctctgta taaagcagca tcttaaccag 420
ctgaccatta gccataagga acttgggaat caagtcaaca ttccagtctc ttccag 476
```

<210> 211

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA100026

<400> 211
 tttttttttt ttaaaaagcaa gaataatctt tattccttgg aaacacattt gtaaaaatgc 60
 tatcaataag atgaaaagat tcagaacaca tttatttgta tgcagcacat acactgagca 120
 tcagaacgtc tgctaaaaatg gaatacacct gtaaacaat gccttaggga gagtttatag 180
 gtagtcagct ccactgtgca aggtatgcag ctgatacctt cttgctgaat agatttttgc 240
 agtagccaaa aaagatcaga ttttagtaat aaaatatctc aaaggatgtc aaacattttt 300
 tagagggcct aacatgggca aaattacaat tacatatata aaaatggcac aagaatcaac 360
 tgatttcaca gaaatactaa taaaacattt caggggtctat tattaagaga aaaaaatggt 420
 tgact 455

<210> 212
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA100719

<400> 212
 tagttataga gctaattggc ttttatttgt gatttatgaa ttaaagcagc accactctac 60
 aagtacagt atagctcccc ctgggcaata caatacaaga acagtgggtt ttgtcaaatt 120
 ggaacaagga aacagaacca cagaaataaa tacattgggt aacatcagat tagttcaggt 180
 tacttttttg taaaagttaa agtagagggg acttctgtat tatgctaact caagtagact 240
 ggaatctcct gtgttctttt tttttttaa ttggttttaa ttttttttaa ttggatctat 300
 cttcttcctt aacatttcag ttggagtatg tagcatttag caccactggc tcaatgcgct 360
 cacctaggtg agagtgtgac caaatcttaa agcattagt ctattatcag ttaccaccat 420
 ttgggggctt ttatcccttc atgggttatg atggtc 456

<210> 213
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA101055

<220>
 <221> unsure
 <222> (1)..(426)
 <223> n = a or c or g or t

<400> 213
 tttttttttg gcatcatctc atctttattt ttccatgatg tatcaacact gatatcttcn 60
 gaaattgttt caggctccaa aagaagagga ccacatgtca ctgatgctgt atgcttgata 120
 aaaagatgct caaacgtttc tggcttctga aaattaagtc cttgtgcca ggaacaattc 180
 ttgggggttcg gaacatcttc ccaaaatagc tttntcattc tttgggtgtga tattaataat 240
 gttccaagca ataagatnga agaggnaata attacnggca caattacntn taaacctgca 300
 tcactctggn gtttttcaat atcancttac agtgaaacta ttaattancn ttggttttcc 360
 cactccttcc ntaaatantg ggtaaagact gaacngggac ntctnaatgg ggataaaatg 420
 atcangggna taaaa 435

<210> 214
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA101235

<220>
 <221> unsure

<222> (1)..(512)

<223> n = a or c or g or t

<400> 214

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ccataatttta ttttaagccc taaaatgaaa ttgtgaacca ttaaaaatat gttgtaaaac 60
tatattaatgt cataaagaga actaactctg tttttatggt ccatctacca atgtcttccg 120
agcagttctc tctcctcaaa cctcctctac ctctttactc accctcactc agcctaacct 180
tgcttccgat tttattaagg aaatccaatc aatcagaaga ggtttctaca atttactatc 240
acatttacc accagccatc acctctgcc tatatgctcc tctcctattc caatggctgg 300
aatgtctcag ggaagaccaa gcccttctact tgtacattag atcccagctc tctgtcccat 360
ccattatgga agctgcacat caccctcagc acacaagagg ggcactctga atgaggaatc 420
ntgtaaacta ctccaaatca ncagtcttga acagtcttga acacgcatgg gggttaaagta 480
ctcctttatc tggtacattg gctacctttt ta 512
```

<210> 215

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA101272

<220>

<221> unsure

<222> (1)..(493)

<223> n = a or c or g or t

<400> 215

```
tttttttttt ttccttctgt agtcgtcttt atttagagca gaattcagac tcagctggta 60
tccccagggg caaccccagg atggtanagg ggctgggtctg tccccacca cttctccagg 120
atcctcccag ccccagntg cntnttcct ccaactgtca gctgcttagc tgctcatctg 180
gggattgcag ctggagcatc tgtcaagggt gtctccttga caaacagctt cctcttttga 240
aatggcttca ctcaggctct gcaggctcgc gagcaggaca gagagggacc cttttatgga 300
ctccctgggtg ggcaactgctg ctgctacagg tgcagatgct gaacactctg gaggcctggg 360
gntggacacc acagattttct tcttatccag tagggaagga agaactgtca acagtcgctg 420
ctgcttgtaa cgggagagga gaccttctct ctgcaagggt gccagcatga ggttcttatc 480
cctctctaag etc 493
```

<210> 216

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA101551

<400> 216

```
ttttctagta agactagatt tattcaatac cctagtaaaa gttttgatta taagtatcca 60
acagtataaa aagtacaaaa cagatctgta gatttctaata atattaatac aaagtgcag 120
actacatata gtacatccta caggcaaaga gaggtggaag gggaaaaaga agactgtggg 180
tgaggtctag taataaataa ataaatacag aagtagagat gatccatatt atagtatatt 240
ctaccaccaa tactgcagcc aaaatgtaca aaaaaaatca tttcaaataa ctcaggagga 300
tgataatggc tggacttttg taattcacct caaagactgt gggagagcca actcaactca 360
ctgtatagtc tgtgcatatg gtggcttgta gcatgtaggt tttttccaaa agaaggaaat 420
ataaaatggt tagattaaga acta 444
```

<210> 217

<211> 451

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101632

<220>
<221> unsure
<222> (1)..(451)
<223> n = a or c or g or t

<400> 217
tctcaacatg gaaaaactgt tcaggcacia agattaaaca agccccggtt gcattcccttg 60
gattgtactg aatcactggg tccccagcc tccctaccta cccctgcacc ccagatctgc 120
cttccccata ttcatggcct cctcctccaa agcagcccaa agcagcaatg atatttacta 180
ttttatatca atctcttgct atatatatat atatctatat atctatatat ttgtctatcc 240
tatatatata taggatttta atgctttgaa tgagtgaagg agtgaatagg gaaagagcac 300
atgagtgagg tgtaaagtgc accaaatgca ttaagggaca tatttgtagg agctggacat 360
ggggaaaagg actattaacc aaccgtggcc nttgccaggc tgggagaagt tttncactgt 420
gctggataag gcagtagcaa gcaggggttg t 451

<210> 218
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102098

<400> 218
agcaaaaaat tttaatttat ttgatttgca tgctacagag atttagctaa actttgttca 60
tttggctagc aatattcttt ttgtacctgt aacacttaag attctgatat acaaaattgt 120
aataatatac tgataattca aacttgagaa cttaaatta cattcttttt accctgtgcg 180
aataaattct acctttttaa aatagtattt ataataattaa aattcatatt tgtccatatg 240
gttttgtgat caagttatta aaatgttttg tcaactgtgaa tcatttgggt tagtacaaat 300
atgacaagat tattaaaagc tgcctataaa tacataacac tattgctgac ttttaaagtg 360
tagaaaaagg attatattaa aataagttca tctctcatgt tagaaatgga ggaaatttt 419

<210> 219
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102489

<400> 219
agtctacaag ttcagaccca catgtaacgg atttttgctt catggttgct agaggctagt 60
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180
attgatctaa ggcggggacc cttctaagggt ggggacccga gtgatctaaa gcagggtggc 240
ttccagcaca aggggtgccga 260

<210> 220
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102571

<220>
<221> unsure
<222> (1)..(421)

<223> n = a or c or g or t

<400> 220

```
aatgtttcac tctttatata taattgaata cttagttatt gtgacaaaaa gttagtatgg 60
ctaaagaaaa taatgcaagt acatcacctg aaataacncc tgtatccac gatacatgaa 120
tccaattcca atgctgtttt ctttctattt cagcaacact atacgtagtt taatagtcaa 180
gataccactt gaatactatc caagaataat cagatctgct caagttaggt ttatataatt 240
taccaagggtg atagattctg actttgaaga ttactgacca ctgactacta agaactaata 300
ttagctgacc atatgatncc ncaagaacta actttgactg ataaatttga atttcatctt 360
ttgtacactg aggaaagaga ttaacaattt tctccacatc aagatggctt gtnttgaagg 420
a                                                                 421
```

<210> 221

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA102837

<220>

<221> unsure

<222> (1)..(469)

<223> n = a or c or g or t

<400> 221

```
gcaccttgaa acaatttaaat aatgtattac attacagtag catcacagca gcagtcaata 60
atgccacttt agacaaaaat cagtatttcc attatgcatt ctgtgtataa gaattcataa 120
atcggttaaaa gtcattctaa gaaaacttgg caaatacagc tttggactgg aattggcatt 180
tctttgtcta cttttccttc ccctagattc tttgttttaa actacagtat tcatatttna 240
aaatgtttta aattatttta agacgttaat atagcagtta catttttgaa tagttatttg 300
aaagtgactg taagataaag ttttagagaa tctattatgg ataggggtga tttacatttt 360
cacattttct aaaaatcagc tttggtttta gaactgattg tttttcattn tgggaaaacc 420
taccaggttt aatcaattac tttaaaaata attatcatat tttgcaggc 469
```

<210> 222

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA112101

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 222

```
tttttttttt tttttttttt ttaaaagact aatgtaactt cttttaattg tcattttatg 60
ctttctgcag ctgcccgcca ccctcccttc ccttgatga ccacttttgt aggctatagg 120
ggaccagggg acaaaggctg tttgnnnnnn gggngggaca nannancccc aatcanntgn 180
nnnanannaa gctanaatta caaatnnann acaanaanta atgctgannn ctgggagagc 240
tgcanagnng ggaggccgc tctctttgt caggggtctat ttggcagtga ccttgctctg 300
aaggcgatgg tactccttca gctgacctng gccaccccg atngaa 346
```

<210> 223

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA112209

<400> 223

```
atcttatatt tatattttat ttccttctct atagagagag caggtaaaaa catgttttagt 60
gtttcctcgc tttccaagtt acattttatc ttgagcagat ttaaaacgag attagctgta 120
ataggactcc aggatgtggg cagatgtcta cttgtcaaag acaatctctc ttgcaatcag 180
ctccttcatt atttcatttg taccaccata gattggctga actctggcat ccacataagc 240
ttttgcaatt gggactccc acatgtatcc ccaacctcca tggagctgta cacagtcgta 300
agctacacta ttttgtaact cagatgcccc atatttcgcc atgcaagcag tggcggagtc 360
caaacgtttc gcttcatgca gctggagaca gttgtccaca aatgctcggg ttacacatat 420
atgtgttttt aag 433
```

<210> 224

<211> 373

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA112679

<220>

<221> unsure

<222> (1)..(373)

<223> n = a or c or g or t

<400> 224

```
atacagatta taaacaaata gaacaatgaa tagtagtact tactcctttc ttgtcatgaa 60
tccaggatgt aggtcaactc aatatgaaaa actgaagcac actacagaca acaggacata 120
gagaatgagt ggtatttctc tcaaattgaa catcttgtga agtgacatat gtatcccaat 180
gatgcaaata atgctcnaaa cttttttttt cattttttta caatttttaa ttttttttaa 240
gacagtgtct cactctgtcg ctcaggctgg agtgacagtg cgcaatttag aactcactgc 300
agcctcaacc tcttggggct caaaacaatc ctcccacctc agcctttctg agtagctagc 360
actacaggca can 373
```

<210> 225

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA112979

<400> 225

```
tttttttttt ttttttgttt gcatcaaaca aaagagagtt ttattttaag ctttgcattt 60
ccttaaaaagt gaggactttg tcaaacattt ttatccactc tgagaaatgt acaatgatta 120
gaaaagtgcg tgtcataata attttcatat atatgtactc caaaacatca caaacacacg 180
gctttgggat aacttaagga gtataacctg aagattttca aatttcataa attagccttt 240
aatgaattgt acaaaatatt tttataaaaa aagtttatgt tttctgaaca catgagtatt 300
taatcattac ttccacctcg caagactcac agggaaaataa aacagttcaa atagaaaagg 360
agaaaaaagt ccaaaa 375
```

<210> 226

<211> 234

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA113149

<220>

<221> unsure
 <222> (1)..(234)
 <223> n = a or c or g or t

<400> 226
 gtgatttatt tgcaatgggc acagtgatgc aaaaacaaga tattaagact ataaaatatg 60
 tgactacaaa gaaccagcga aataaatata tagatattag atagtccaat aacttaagggn 120
 ncccgtgcaa cgatncgagg gatccgcgcn cacnggaagt tcttcttgct gcaggggcttg 180
 gagagcgccg gccacgtcct agcctcggtc cgactcgtcc agcgtatggc ccgc 234

<210> 227
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA113303

<220>
 <221> unsure
 <222> (1)..(460)
 <223> n = a or c or g or t

<400> 227
 taacaaaaca aaacatgttt ttattgtttg attaacaac tggttggggg aagggaaga 60
 ataagacatg cggggaaata ccagctttga ttagtcagaa actcctgtta tctgtacaaa 120
 aaaatgaatg ttacaaaaat cacgtaaaaa aactaggctc aaggaaagcag ccgcccttgc 180
 aagagggctc aaggcacctg ggaggctgag aagaggccaa cctggccatg ggcgtggctg 240
 catggacagc tcttccctcc tgcccttccc cagatgcctt tccctcctgc cccgaggac 300
 cactccctct cccaattac aggtgctaca aaactgcctt gaataccacc gccaaaggac 360
 tgccagagat gaaatgggac ctggagcaga gcctcaggtc tccctcccc tgtagccag 420
 gcctggagaa aggagggctt gttcccaggc ccagggtggg 460

<210> 228
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA114949

<220>
 <221> unsure
 <222> (1)..(579)
 <223> n = a or c or g or t

<400> 228
 ntttgcattc agaaaggagc agactgtgga gcaaagggtg tagagaaaac gaaccctaca 60
 gaaccagttg gagtgggttg ccgagtggat ggagtttacc aggtggtaga atatagtgag 120
 atttccctgg caacagctca aaaacgaagc tcagacggac gactgctgtt caatgcgggg 180
 aacattgccca accatttctt cactgtacca tttctgagag atgttgtaaa tgtttatgaa 240
 cctcagttgc agcaccatgt ggctcaaaaag aagattcctt atgtggatac ccaaggacag 300
 ttaattaagc cagacaaacc caatggaata agatgggaaa aatttgctt tgacatctt 360
 cagtttgcaa agaagtttgt ggtatatgaa gtattgagag aagatgagtt tccccacta 420
 aagaatgctg atagtcagaa tgggaaagac aaccctacta ctgcaaggca tgctttgatg 480
 tccccctcat cattgctggg tcctcaatgc agggggccat ttcatagatg aaatggccct 540
 cgccttcag caatccccgc cgtgctacaa tggganttc 579

<210> 229
 <211> 417
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115562

<400> 229

```
attttacaaa tacattcata ttcaaagaca tgggtgctta tgggagagga tgggtgtaaag 60
aaagggaaaa aagccataaa accagagaat ctttgcattg gactgtattc ctgagatccc 120
aaaccaaagg gatgaatgtg ctgttatgcc ttaaattgtg gcaccaggaa atgcaaacta 180
gaaaggggtg ctctgaaggg tcctcagggt aggaagaccc ccagggtctg agaatccacc 240
accttcattc ttcaaaagag tacctcagtt gtctgcttac gcttcagcca gcatgtgtga 300
gcttggtcat ttctgcaag ccaggcaacc acaccagtgt ataagcctca agcaaattgc 360
actcccaagc cccaaatggg actaaggcct ctgctgggct aggcgtgggtg taaatcc 417
```

<210> 230

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115735

<400> 230

```
taaatatgac agtcttggat ttatttgtaa gtgtttaaaa tgtccaatat tcagaagttg 60
tcagggtgtc ttaccacctc cccactccct caaccagtcc ctgcttccag ggtccaggag 120
aagcagtgtt caggcagagt agtctcttgc cagagcagaa caaggagtcc tggtaggcaa 180
gtggcaagta tgcaggctgg gctgggtccct ggtgggactt ctcttgggct tttcctccca 240
tcacttccct tcacgtgtct ctcagccctg gcagagtttg gagctgatac cctgggtcat 300
ggccacagtc cagttcactg ggtggatgtg tccctggcct ctgtccatgc caggct 356
```

<210> 231

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115933

<220>

<221> unsure

<222> (1)..(610)

<223> n = a or c or g or t

<400> 231

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tttttttttt ttttttttta atttcaggtc aagtttatta tacagaaatt atattaatgg 60
gtgggataaa tactttacag gagaggggtc cactctcaga cactttggct cccaaagggc 120
ttggagcttt tgtgaggctg agcatcttcc aaccagggtg atgcactggg ttgccaacat 180
cctcaccacg cccaatccag ccccttcaca cactgacatc gcctacctgg gccctcctng 240
nggnnttntt ttttatctaa ccagtgtaca caacatattt ataaccaatt aatacgtgtg 300
agtcatgatt tgtttaaaat gtcagctttt gtgaactgaa ggggatgggc agaaggcagg 360
atgctgtcct ggtcaggaat gtgaccaga ttttaacact gctcctgcac gcggtaccat 420
ggttggtgac gctggtgaag tcgtcaaaac ggagagccag ccagctgcgg tgttgggggc 480
naagctgaaa ggttacagat tccacagatg cagcatcttc ttccagacgc ggtactgcag 540
gagcccagta cttgcagaca tcgataagca gccggctnng ctngctctgg ctccatgggc 600
anaaaatccg 610
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<210> 232

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115979

<400> 232

```
tttttttttt gaaattcatt aaatacactt tatttaaata gcatttatct cagttggctc 60
tatgccagtt ggtcttggtt ttggggtaag ggggtattgc aggtaaaaag aggtgaagca 120
gattctggct ttcagtttct tagctcagaa attccagcaa tccctgtagt tctttgcac 180
ccctcaccac ctctggaata gagagcaggg tcttataaat atgctgaaca atgtcatcta 240
gtttttctaa ctcttggtca gagccgccga agttctcctc taggatattt ctatggctct 300
ggaacttgat catgagtttt tccttctcat ttttcatctc caggaacatc actctcagtt 360
ttgggtccacc tcctgagaag agccacactt tctcctggat ccaattgggt gggccatagg 420
ctgggcagtt tggagtccag ctgggcctgc cagggcctcc tggag 465
```

<210> 233

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA116036

<400> 233

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gagggaaaga caaaacgtat ttattccagg ccaggcttta aaatgcacac tgcacggttc 60
cctgttggtt tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg 180
cagttgggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacggtat 240
gcagagaaga ggacagaatc t 261
```

<210> 234

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA116075

<400> 234

```
tgtaatttta taaaacaact gtattgttca gatttaggag acaacctaag aagatgattc 60
tgagtaggta ggatttttgc tattactggt atgtgaaaaa gactgctcaa ttaaatgaca 120
gattgttaca tatctoccta acaagagggg cgaactgata ctacaagcag ccagaacaac 180
ataattagaa tagaattcca aggttatatt aatagagtaa taagttaatt aaaaccaaga 240
tcaactgagc ttctattttac accagttcag acagcccaag aggaaaagaa ctctatttta 300
gagacatatg tgactctttg agcttctgtc atccagggtgc catttctgat gcagcacatg 360
tgactgaac agttggcaaa gaaggaaaaa gattatggta gatgtatgtg cagatagtct 420
ctctaattgat gtaaaatacg t 441
```

<210> 235

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121140

<220>

<221> unsure

<222> (1) .. (267)

<223> n = a or c or g or t

<400> 235

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atgttttagtt taagaatttt attttaaagg aatttctgtg gcataacata aggttttatgg 60
```



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tacttttact aaaagtcact tataatgacc aaattataac aatttttgca ataagctctc 120
attaaatttt cctaaaagta gaaaaagtac acattatata ccattttgca ctttaattact 180
tcttttaaat ctcaaaataa ttcagtgtan aatgttagtt tcaaagacaa tttatgggaa 240
attacaagca cttacaaagg ttcctca 267
```

```
<210> 236
<211> 413
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA121257
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```
<220>
<221> unsure
<222> (1)..(413)
<223> n = a or c or g or t
```

```
<400> 236
tttttttttt tttttttttt tttttttttt ttttttgctt ctattgcttt atttgggtgtt 60
ttatacaagt gactaaaata aatagagtaa caaaggcagc tacatggccc aaatctcca 120
gcttcctcag gctgctgtct aggatgccta accccggggg accgctgacc accccaacc 180
ctgcaaaggg cagggcctgt gggtaactgg aggaggaggc cacattctgg ggtagaagg 240
ggcccaatgg atgggaattc ttcataataa agaggaaatg cctattaaaa aagtcccaaa 300
aatgtaagaa actctatttt aacccccaaa aaggcttata aaaaaacaaa gctaaaaata 360
atcaaaggtc ccttgtctac cctgngggga ntggggagga accaggcact gct 413
```

```
<210> 237
<211> 445
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA121315
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```
<400> 237
tttttttttt gtttacttat ttattttattt tcaccaccaa cattattagc catgcctttc 60
tgctaatacg ttttagcaag tcgaggtaaa acacatgcaa cattttctgg caaaagctta 120
atgtcaaaca atatgtgatc catactgtgt gtcgtccttg ggggtttatt tgactttgtc 180
acaatgacag ccaacagtga gactgataag cctgtaaaaa taaaaaata agactaatca 240
aatagacatg gcattttaat ctcaaagtgc aaaatcatct aactgaaaat gacggcattg 300
aaaaattcca gtgggttaaaa atgaatcaaa acttcattac gcaggcagtg gaagtgtgtt 360
gaaagattta ccaggggtgt caagtttttag acactcagaa aggcaccatt ctagccatct 420
tgattggata acatggtata tactt 445
```

```
<210> 238
<211> 270
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. AA122345
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```
<400> 238
gataaaggag gcttttttatt taaaggcaaa ataccaaaat ggctctcttg tgtagggtgat 60
ttctactttc aactcagct tgtacatgat ccgctaacct taatttcttt ctccttaacg 120
ggctgacttg gattgacttg ttgagaatgg tatccattat taatgagtca ggagagaaag 180
ggatttctgt ggttacatgt aaacttgtga taggtctgca gaagttacat gtgaagagga 240
tagtgaggaa gtcagccatg atccatctat 270
```

```
<210> 239
```

<211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA122386

<400> 239
 ttgacaaaa gcgtgcattt aatttgatgc ttgacagaga tacatgacca aagttgtatg 60
 catggcttgt cttttgggat ggtcccagct gtttatttta aaagaaaaaa attaaaatag 120
 agccaacaaa tgcaattaag aaaaaaaaaag tattgagaca caaggggacc tacatgttct 180
 ggtctaagaa gcatgcaagt attacaaagc attccagata cagtatgaca gaggaacagt 240
 gaacaagcat tggaacgatg ctctttcttt cagaaacggg aagtctaaca gttatgtttt 300
 cacaatggtg gtgattaa 318

<210> 240
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA125808

<220>
 <221> unsure
 <222> (1)..(441)
 <223> n = a or c or g or t

<400> 240
 tgacgtgtta cctgctatatt ttattcccca ttgccaatct tctgattggg ggttgatggt 60
 ttacagattt ttttttcaaa ggctttatatt cagtttctga ggtaggatg cccctgtgcc 120
 cctcgtcca cactgggca ggtctaaact tccttcagg atggcctcca cacacagcct 180
 cccacctggg gtcacctggc ttctggggg acccgcaang anggggcagg gagcagcagt 240
 ccgggtgagg ggatcggggg acctcggcgg gggcatccac aggggctgca agacctctgg 300
 tcagcatggc gtgggtgggg agagcgtttc tcctgggggt cctgagccag tgactcctgt 360
 taggaccttt gtcccacctc cgcctgggtg accggcagga cctgggtctag ccagtcctgc 420
 agcctccatt cccccacctg c 441

<210> 241
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA125831

<400> 241
 gaacaaacag catgcactgt ggtatccttt atttaaaaat tgtgagctga ctacagtgtg 60
 agtgttctca tttaccattc tgatggcata ataaaccaag agaacattaa cacaattcca 120
 agaaggcatt aacctgtaac acacatatac gccacacatg cacacacaca acatacacgc 180
 acacaaaagg tatattctga acacaaaagt gatagaaaaa agctttgaat gcgctaaatc 240
 aaataaaaaac cttttattat aataaactgt ggcaatactg tggctatcat gaaaaatatt 300
 gtaactatth taaaagcaaa aggaaaaata ctggcagttt gaaactagca gcaaaaagca 360
 gataaaaata gaatggaaga taacataaga ctaatatcaa aattctaatt ttgatactgt 420
 gtaggattgc 430

<210> 242
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA125856

<400> 242

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acttgcatta actttattac acaaataaga catttacaaa gcacgacatg aaaggatatgt 60
aacaaaacag acattgggtt tacaaaaaaa gtgcttacaa tttttttccg tgtgtgtgtt 120
ttcccttttt tttgtattta aataaatagt cttgatggcc tgtacgttcc caggctgctc 180
ttaacagggg agtggagaca tgtttgaact gtaacatgct acggccacat aatccacgca 240
aggaatagac cctgaggaga ggctcaaggc agagtgtgtt gggtgaccct gggtagggct 300
tggttggcca cttaccacat ggttgccact ggggccttga tgatcaggag caaaaatcaa 360
aggaaagatt tgagctccaa ggccaggaat tgggccttga ttgctcctgt taatgtcagc 420
gcctagcac 429
```

<210> 243

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA125861

<400> 243

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gggatcaatt tttatttggg cttctcacag tggttagagc cactctgtct tcagaacaat 60
cacagcacag gaaatgcgtc actgagactg cccagaaaag tctgaccagc tgaatcttat 120
tgcttaaaat acacatattc acaatagctg acaaagggtg acgtgcctca cacaggaatg 180
tgttgcgcat tgcaaattct ctgactggct gtatgcacaa accctccacc gaccccgctc 240
cattcacgtg gaaagccagc ctcagtcaca tctccctggg ccccttaacg attccttcag 300
ctccctatta aatctctctc tgagcagggc agcatcctgt agcggggggc aaactgtgac 360
ctgggaacca agcccagctc cgcagggttg catttccgtc ttctcgtgcc tttagggctt 420
cgtgc 425
```

<210> 244

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA126041

<400> 244

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tttgcaggga gtgcaacatt tatttcataa cagaacccct tttccacaga gcagctgaca 60
gggggctgca tgaaacatac tttggaaatt aaagtgaact ctccacttgg gcataatgtt 120
atgtgggcac atggattggc ttaaaaggga aacaagaata cttcaacatt tgatcaacag 180
taggcagttg ctggacattt tagaaaaagg agaaatccat tttttgacca tggctaaaca 240
tggggaaaca gcatcacatt ttctgaacc accctaatac cagccctca agatccacca 300
ggtatgcaac cccaaacccc agtcacatac attaaatcta cacttttatt tttttgttgt 360
aaaatgtgct ttttcctcaa tgaacttta tcagtccagg acctacaaac acacacacac 420
acacacacac acacacacac acacacacac aca 453
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<210> 245

<211> 135

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA126044

<220>

<221> unsure

<222> (1)..(135)

<223> n = a or c or g or t

<400> 245
 tttttttttt tttttttttt tttttttttt tttttttttt taatgtgatg agtgggtctgg 60
 gaaatccncg cctaacaaag tggcttttga ttcaaggcct gaagaagggg agggccact 120
 ccaggtagat gacat 135

<210> 246
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126059

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 246
 ttttcaaagt tcaaagggtcc tgtttattcc ggcaaaccgg aaagaaaaag tgtaaataaa 60
 aaaagaaaca gatccatgca ctcaactcct gggggtnngg gtgggggtgg gaggtaggga 120
 tgaggaatgg gtgggaagca aggagggagg ggtggaagga cagagagaga gagacagaga 180
 gaggcagaga cggaaagaac tggagaacca gagccataaa aagaaaaaga catccataaa 240
 aaggcagaaa gaaagaagtg gtgtattaaa agcagagatc aataaaggag aagaggggaa 300
 attgaaaaaa tagacagaaa tacataggca gagaacaaaa gccagcaaa aaggcgggga 360
 gaaagggcgt gacagagaca gagagatcac ccttganggg acacaggcag aatgaaaagg 420
 gccccagcc cccggagccc ccccaggcag cagcccagc ca 462

<210> 247
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126429

<400> 247
 tagattagaa taaaaattta tttttgtaaa gaattatatt ttgtatttgc aaaagctgaa 60
 aatgctcata aaaattacca gccagagct tggatttcca ccggatccac cacgtgagac 120
 aaaagagtct gtcacttctt cttgccagggt ttgagggcct tttctagacc ttggatgtgt 180
 tttcgaggga gctgatactc ttcaagcaat agccagccga ggtggtggac ctggtttccc 240
 tggatctgca cctgaaggct gtccttggcc ccaggggagg gattgacggg ggtgctagcc 300
 tggcatcgct gctgaaggat ggcagccact gagtatgggt ccagaccata ggcctccaag 360
 ttccggacca cggtcacctt tttattagac gctctttgtg ctagggtgat gtcaattgga 420
 cagatttctc cctttcttt 439

<210> 248
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126459

<400> 248
 ctgtcaagct gttctttatt tcaggggagag ggcaggggag gggctcagtc tttcttgga 60
 gcagctttcc tcatggcggc cagtacgttg ctcagctcct cccgcttcct cttggcgagg 120
 atgtgcgtcc ccaccctttt cttgataaat ttgagggccc gtttgtcctt ggagaccttc 180
 agtaactcca tggcgcgccg ctcgtacggg gcaaagcaca cacctcccga atcatgtccc 240
 gcacgaactt ggtgtgtttg gtcagacgcc cgcggc 276

<210> 249
 <211> 263
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126561

<220>
 <221> unsure
 <222> (1)..(263)
 <223> n = a or c or g or t

<400> 249
 tttaaccaat aaaacgtaac acttttattat tattttttatc ttagaaggaa ttcaccaaag 60
 gcttcatatt atgctatggc atctttaatt ataaaaataa gcaaataaaa taacttgcac 120
 ctgtcattac catgatatgt ttcataacct ttatatgcac atggagcttt aaaatgtaat 180
 tttacaataa ataatgacnt ataccagata tgctcnctgt tantccagta ctccgcccaa 240
 aacntaata tcattttaat tat 263

<210> 250
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126719

<400> 250
 ataaaacatt caattttattg gtctttgtgg agaattagat gcatcaccag tatattacaa 60
 cagagccatt aatctttagt cttcatcaac attaaactggg ttgctttcat gacgctgctg 120
 aggaatcagt tctttctgca gaggttcaag tgaaatgctt tttgcgaaat gtgcaagttc 180
 cttttgtaca tttaaaaaag ctttattttac tctgttgaact ttttcctcat tcataatggt 240
 tatcttctta agattagtgg taactgggtt tgctttggtt ttagccttaa agtttttttg 300
 gctggctatg tgaaatacat tcttggactt cggccctctt aatttggtct tggccattg 359

<210> 251
 <211> 565
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126722

<400> 251
 cccaggacac tgccacttcc tttaatacag cgggtgcctcc acgccccgca tccgatgcag 60
 tgttacacgt gtgtgtgctc caaacatcca tctactgca catactcagt ttcggccagc 120
 aggggggagc ccgaggtagc tcccgctccc ttgagccagg cccctgccag acctgagctc 180
 cctcccaagc ctggcttccc caaccgggtg ccttcattgg ccagaagcca ttccttcacg 240
 gccagtctc cggagtagtt gcccacggtc cgtgctgca gacctctg tggcacggga 300
 tgaggatggg gacaggattg cctctcattg ctctctccac tgctcgcgcg gctttggggg 360
 tgcttgccag ggctgctaag tgctggtaag aaatcacttc tccgaatttc acaaccttca 420
 gcagcttcat aacacctgtc tgggtgaacga ctcttgctgg aaaacgggat ggtgaaaagc 480
 cggcacggga aactcttcga tagcctcggg tgggtggaata ggattcagca ggctgtgaat 540
 gatcaggggc tccgaacttc caaga 565

<210> 252
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA127444

<220>
<221> unsure
<222> (1)..(421)
<223> n = a or c or g or t

<400> 252
gtaggctcaga gacagctgga tcagctccag ccacatttat tacaaaaatag tgaccgcagt 60
tctggtatag aaaagatccc tgacagccca gtacacctgc aacggccccc accccacaga 120
gttctctctct caggtgcctc aggtgtggaa gttctcagat tcgaaagggtt cctgccagga 180
gggcgctgta ccgggcagtt gtgaggggca ggtaggcacc tacagcctgg tccagaacgt 240
acagtgggtc agacaggggtg ctgggggtcga agccctcatt tgccatccga actttctgct 300
gtttgaaggt ctctgtgggtg gccaaagact cctggagcct gaggaatcgg ggccgggcat 360
aaggtggcaa gttctcagac angtnngtgt agagctgcat aaggtccaaa gcgttggggg 420
g 421

<210> 253
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA127514

<400> 253
taaagattaa aaatatTTTta tttaaacttt tcttcataaa cactttttaac attttttttca 60
atttaaaaaac agaatggata gcataaacat gtttgaatag attatatcca cggcttgagg 120
aaaattacct gacaaaaatg taaaggcttt caaaacaggt ataaaaggca aaccttaaat 180
tattctaaga tttttatatt ggccctagga ttatttgact actggcccaa aatgtacct 240
aaggtcaaaa tttttttcta tagacaaagt atgcccaaga ggtatagggc atatacaagt 300
taggtagaaa ataacctctc ccaatcacct cactggacca ttccttcaga aagcaaacac 360
ctaatectta ctatatactg gactaataac attttaaatg cagttgttcc caaaatgtaa 420
aaagaaaacc aaagaattta agggaga 447

<210> 254
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA127646

<220>
<221> unsure
<222> (1)..(603)
<223> n = a or c or g or t

<400> 254
tatgaaacaa agtttttaatt tttatttttac atattttatc ataaaaacttt caaggaaccc 60
tctgaatcca acagaatggt aatagcacat ctaaaaagga acttcaggta gtcaacattc 120
acaaaatggt gaaaactgag taaaatatac atattacgga gagctacaac ttcactacga 180
ggcaggcatg tatttttttga cttgtatagc accgtcattt acagttcttc tttaaaacta 240
cagtgaagaa tgaaaagtag tcaatgggaa aatactgttc caacttaaaa tctctaaaca 300
aataaaaaata aagttaaaac tactctcttt tattaacctat gatttggtgg ggtgtcagta 360
ctgtacattt tttgtaacaa tttttatta aaatgcctga tattaagtgg cacagtaaaa 420
aattaaaata aattaagaag caaaggccaa tcaactggaca ttaagctcga cttatcaatg 480
actaacactg atatttggtt ctgcgccacc ttagcaacag cttttttacca ccacggaggc 540
aaataaaattc tagctgttcc nggttgaatg gctcttcact tgcagggttt cccgccagtg 600

ctc

603

<210> 255
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA127712

<220>
<221> unsure
<222> (1)..(549)
<223> n = a or c or g or t

<400> 255
gtttctgctct cccatcaagc ttcagatgcc atgttggtact gggggaatgt agcccttggtg 60
ctccccaccc cctacctcca cctgagcctc accctgctgt tgagccctga gtggctaggg 120
gaaatgggaa gaggattgcc atggcctggc catcttggtg ctgctaggtt agatcatata 180
gctaataaat taggcagggg agctatcttt tgaagatgat gaattaaatg ttgaagacaa 240
gtttgagatc tgtaaaatgt gatttttttac ttccacttat aatacttggtg attggggagg 300
tttggtgaaa ttcaattatg atgaaaaacc tatctttttt gtaatgttgg catacttggg 360
gaatttagtg gcaaatatcat tccccagcag gccttttggg ggttgacta actgcaaggg 420
ttgcctggga agntagagtc ccattttggg tgatgaagct ttgaactgcg gttttggaac 480
cttacctctc ctctcttagc ccaatatgct gtcttgggtc ctattcaaat aaagttattt 540
cctcctgga 549

<210> 256
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA127741

<400> 256
tttttttttt tttttttttt tttttttttt tttttttgac ttttgtcaaa atcttcttta 60
tttgctctgt aaaactctta atgccccaat tttaactaaca aaccatttgt ttacaagtgt 120
cttaaaaatcc agataagttt aacaaagtgg ttccataaaa ctataaaaaac tatgtatata 180
gcatcacaaa gaattaacat attaaagcat tatattgggt atcacataaa agcatcataa 240
gtttttcgta gcaactctct tagaaaacag tacatgaagc caaaccaaga tcttgctctgt 300
ccactcacat aaaagggtccc aggtctgtca atgagtttca ttttaatttg agagccagtc 360
tgccacggag accaccattc tccacagaga aaactgccac atttgtgagg tgaatgaact 420
ttcagcattt atgttaaagt catctctgaa gtgacatcca caattttaat tccaagtga 480
tggttttttc cttggctagg cacctttttt aggtacatgt tgcaaagtgt cttaagtga 540
aagcgtatt catcccccca aagt 564

<210> 257
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA127851

<220>
<221> unsure
<222> (1)..(187)
<223> n = a or c or g or t

<400> 257

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tttttttttt ttatgcaacc tatggctttt actttttatt accaatatac aaagtacata 60
aaaaatatcc atttttactc taccttctct gtcttctctat ttccagatgc ttttaagtagg 120
aaagaaaagg caaggcaaca aaaaattcca tctattatac tggaaggctg acgtttcaat 180
ggcncaa 187

```

```

<210> 258
<211> 246
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA128177

```

```

<400> 258
gcggaaaaaa gatgtccctt taataaaaacg ttatcaacat atatcgtaga caaactacaa 60
tgtatcataa ttactttttt ttcctctctt aattcagaac cagactacaa ggtaagaaaa 120
aacacagaaa cagctacaat gttcccaata atccgcacaa agtctttttt caggcagatg 180
atatctcaca taatatgata tacatggatc agaaagggag ggagtaaaac aaagaccagg 240
tacagg 246

```

```

<210> 259
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA128407

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```

<220>
<221> unsure
<222> (1)..(399)
<223> n = a or c or g or t

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<400> 259
ttgcagtcag tgggttttat ttgangaggg ggttttctgc tgaactgaga tggggttgat 60
tgaacgggga cagagcgaag actggcagag ggcacacacg ggaccctggc cactcccggg 120
accctgacca ctctagggct aggtccttca tgtcttcagt caggcgagcc tggggccccc 180
tgggnatgag cctgcctcct gagtgggcac ccccgaccca tgacaagcct cctgcaaggg 240
cagcttctag ctcatggtcc gtgagtcact cggggctggg caccgggcac tgggaagggt 300
gccagagccg cgtctggggg gccgagccaa gcaacagcag cagcagcagg tgggcccagg 360
caaggcgggc tggtgtcaga gccttctctg agctgctgc 399

```

```

<210> 260
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA128553

```

```

<220>
<221> unsure
<222> (1)..(411)
<223> n = a or c or g or t

```

```

<400> 260
atttaattta tttatgtaat acagtgtaga aagctatcat ggcataagca atgattctgt 60
acaatcatcc tgcagaaaaa taatttttgg agaattcttg gtaattggag accagcagaa 120
cactccctcc cccacccccg taaaagtgtc tatgatgaac agggataatt ttnttttaat 180
ttttttttat caaagatcca aagatacatg gacaaaaaaa atgttcaaatt tctcaatgcc 240
taatgtgtgc acataaaaaca ggcacaaaga aatcaatgtg tctctctta ttcctatata 300

```


acaaagagag cagaagcagc aatctgtaca gtaagatgca gtcatggaaa aagaattttc 360
taagtcattt ggaatactta aaaaaatgtt caaatggca tagtgatcag g 411

<210> 261
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA128561

<220>
<221> unsure
<222> (1)..(421)
<223> n = a or c or g or t

<400> 261
attagaaaaa aaaacttctt taatgggaaa ttttacgatt gaaatgatgt ttcattctat 60
agaccacaaa caaatgtttt tagacattga aaagtgggta aagaccaact gcgccagtc 120
ccccaagtgc cattttctga gtgcagaatg gaggggtgacg tcttgagctg atgctgtgtc 180
cccagcatca ggttttctgt tttccctctt ctccctttat tcttccctg tccattgcc 240
tcaaccttct ttttctgttt gctctggcct gggttcagtat aacatatcca tgaactctag 300
tatgggccta cggacaatca tagctacaat cagactttct aagcaaatgg ggaatgtgga 360
tntacatata accattagaa accctatcat cacctcctag aggggaagtg aatttcttaa 420
t 421

<210> 262
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA129390

<400> 262
tttttttttt tttttttttt ttttttttct caatagataa ctttatttga aatgaaatgc 60
atgttgaaaa tatgaaaaat aaatcacatc tccccaaaat catctaagag acatattttac 120
acaagtcttg accatgctaa aaaattcatg aattgtgatg gtgtataaag catttggtac 180
atgatgatac ttgctttcca gaagctggca tttgcatatt ataaaacgtt aa 232

<210> 263
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA129465

<400> 263
tttttttttt tttttttatt aacaagtgtg actctttatt aagatggaat tgttcttatt 60
aaagaaatag atgaaaatgg ttaagtacaa ttaaattggct ccaaaagtct tacaatgaaa 120
acaacagtc tgcagttgt tctttccaga ggcaaatact tttcattctc ttagtttttc 180
cttccgtag ttacctcat gggtttttcc aaattattgt ttttttttag tttttcaagt 240
gaatgcatac attaatatc aaaaatttaa aaaggctttt cagttttataa tgcataccta 300
cagtccctg ccccatccct cctaattctc cagagcaatg acttttaact ctttttagcaa 360
tgt 363

<210> 264
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA129757

<220>
<221> unsure
<222> (1)..(422)
<223> n = a or c or g or t

<400> 264
tggtttttttt nggtatttctc atgtatactt cattttatttt attaatnanc naanccctgt 60
aagggantnc tttgcctagt cntccgactn tgnttnatct tcatcttgac taatcnggaa 120
gtaacnaagt cgtaggtctc cttgtcagat gcaancantc gaagccaatc acgaagattg 180
ttctttcttaa ggtatttctt ggtaaggat ttcaaatacc ttttagagaa ctgtttctca 240
gaaacaactg tgattttatt cttgaagcgt tcaatgtgaa caacattccc gagatttcca 300
gttttgccat tgactttaac cttctcccgt agaaattgct caaaatttcc agaatacaaaa 360
attccatctt ctactggatg agtaaggctc aaatttaaacc tccagggtga cctcttgggc 420
tt 422

<210> 265
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131084

<400> 265
caagacttac aaactgtcct ttattcagag tgagactgag gaacattaat aatttatcac 60
gggggggagtc cccagaagcc ctgtgcccac gaaccctgt ggcggaggag agaggcgggg 120
actccgggag ctctctgaga gggccgtgtc ttgggagcaa ggtgacatat tcagttcagg 180
cacgcggaac atgaactcag gaagtgggga gacagagaga cccatcccc aactcccagg 240
acggggggcca ggccc 255

<210> 266
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131162

<220>
<221> unsure
<222> (1)..(435)
<223> n = a or c or g or t

<400> 266
aaaggtgaaa catttttatt tagtttcatt acagagggtta aatagacttt tatgacatcc 60
ngagaaaata nangaattgg ngtgggcnta antgngantt gttctnactn ttctnactgn 120
tttintnatg cacagctctt tcagttgntt ncaaataatga agtatatcac ctcaggatgc 180
agagattttt gaattctatt tagcaatttc caaaagctga agtctagaac cgaagacaca 240
tataaaaaga tgatttttaa atggaaccag ccaccttgaa aaatattttg aaaaacatga 300
tttaaacttt agaaaataaa acttttaata cttaagagat aacctggatg ccaacgttgc 360
ntgggtgggc cnggaccttt cccaggacnt aagaccnct ggggaaatcc atggggggcn 420
ccggtggana tgggc 435

<210> 267
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131220

<220>
<221> unsure
<222> (1)..(562)
<223> n = a or c or g or t

<400> 267
tagattttctc atagattttat ttctgcgctca tattatatat agatatatgc atatatacct 60
tttagcnaaa ggagancaat ctatataccc ttcccttccc caccaaactc acaaaaggag 120
attaaaccct tccaggattg ccatcaagct tcccgagatg gccagggcaa ngaaagaatc 180
atctctcaac atgttaagaa acggctgcca ttcttaggct ctggggttga agcagcagca 240
ttcccaggac ccaagggcca gagagaggaa aagaaatgac tgtagtgtga caggattcta 300
ggatgaacat gtccagtgcac tcctgggcat ggcagactag ctcccagaat tctcagggtg 360
tgagtaaagg tggggggccct atggctcttc agaggctgct caatagggtca ggggtagggt 420
ataggaactg gggatcaggc atgcaggat ggggtggcag aaaaaacgcc tgtgggggtta 480
tgctccagac agagcgacct ccatcanggc taccactac tcaatgacat gtaatgnaca 540
gggacagatg ctgagctcct ta 562

<210> 268
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131584

<400> 268
tttttttttt ctagtcccag cactttttatt tgtagagttc tcaaatacaa agtaacaaat 60
aattatacat caggattggt aggaatacca attattttac aactgccact acgtgtttct 120
tcttctctga cacaagtggc acagatccag gcttgctgtg ttttaatacga ttcacttcct 180
ttcgtegcag agctttctttc atgatgcgct gttcctgaat ctggctatag atagatt 237

<210> 269
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131894

<220>
<221> unsure
<222> (1)..(470)
<223> n = a or c or g or t

<400> 269
taattttctat gcaatcaggg tcctttcttg ttggtgctaa gtactggagg agcagctgag 60
cgngcagggg tgcccccggg nccggctgct ggaagtgaat ggggtcagtg tggagaagtt 120
cactcacaac caactcacca ggaaggtgtg actgcctgtc tcccactctc ctcccccaat 180
ccgggcctgg gcncacctcg ggaacgcct ccttccccat gcgcctaacc tccttatctg 240
gtctcctacc tttatcacca tcctccccct ctacagtttg tgccaggctc cacttagtgc 300
ctgggaggag gggctgtggg gggagcatac ctcttctctc cctgcccagg tgttatactg 360
atgccctgct gggtcnccac agctttgggc agagtggaca gcaggtgacc ttggctgggt 420
gnagggcaga aggtggaaga acagtgtcgc cagctgggat tgccccctggn 470

<210> 270
<211> 464
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA131919

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 270

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tttttttttt tcttgagtaa ttttttattt tgtgcagaga caggatccag aactcctggg 60
ctcaagtgat cctcccactt tgggtctcca atgtgctaga attacagccc tgagccacgg 120
ccccatgccc cgttttttacc agtgtatatt ttctactgga aaatgagact tttagggatg 180
aatgtggact tgtctgttga aacttgtaaa tttgcttaaa aaaaaaaaga tctccaagtc 240
ttcacaaaat tttatattcc ccaaggctgc cccatcacia tgctgtgaa gcttgactgg 300
cagacactga ggctgaagc tgggggctgc aggggggtcac tggctcacc ggccccccg 360
taatctgtaa aacatactgg gtgaggagg ctgctggagg acctgaatct ctcccttctc 420
caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464
```

<210> 271

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132032

<400> 271

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tatgaaaatt ctcagagata atgcatttat aaacacagaa atgggttacia caaagatggc 60
cgtgatgagt ggggtataata tttttatata tatatatata tatataaatc cgtgtccggc 120
atctgactgt ggcacctagg gagctaagtc cagtccttgc gtttgccttg aactctccct 180
tctccgcaac acccctgttt tggagtttca cagataacac aaagcctccc acagctcctt 240
ggggggtgggt tgggggagact gagagtatag ggtctttgta ggcagagaag gagagaggct 300
tcaaggaaat ccgtaaaacc ataacacaca cttctaagcc acctgtgacc aacttgggaa 360
tttctggccc cttggggg
```

<210> 272

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132514

<400> 272

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atacacaagg acaatttttaa tcttgcattt tcttggagta acatccactg ctggctatct 60
atggattgta actgcatttg ctaagaactg tgaacacaaa gaaactttac atgaagtcac 120
atgttgatac aggcacacaa acatctttca gcagcaacag actacatata taacgcatac 180
cagatagtct cgatggataa atctgcttca ccagtaattc tatttagtaa aatccacagt 240
taatggagaa ttccattttt taattttaca tctttactac acatttttct aatactttat 300
ttttaaaaaa cactcattca agattgtaat ttgcatggcg ataaacaagg gttccatggg 360
ttctaagttt cttaaaaagt tccacagcaa cttaaaacac cacaagtctt ctttccaatt 420
tgcagcacct gacttaaagt ttaaattcat ccaatacat 459
```

<210> 273

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132554

<400> 273

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ttcatatttc aagtgttttt attctgagca gtaggtacaa aaaataatga catagttgtg 60
tctaattctg tatagttcag caccctccac aggtgtgcaa tctctgattt gatctacttt 120
taccagattt aacagatcct tgaatttact ttactgtata tacttccttc ttgetcacat 180
tggaatcaa actaatgctg gaaacatgca tcttcagact tcattgagga attccagatt 240
gagacacgct gggatgtgga ttgagtcctat ggtagagaa gatggattaa atggaaacaa 300
aacaggaaac atgtgcttgg catctaatag cagttgctga ggtcattcc gctctttag 360
ttgtgcttgg attgttcgta taaaggccac tgttaccctg tcttcaaatt cattcagggg 420
agtataaagg tttaaaattt tgacaatctg c 451
```

<210> 274

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132983

<400> 274

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tttttttttt ttttggtttt ctatgatccat gtttattttc agttcaaaga caaagtagaa 60
aacttgagag tggaaaatgt tacctttttag ttcacactcc taatccctta gtcccataa 120
aataaacatt ctaaagtgtg agcagtagaa ataatggaaa ctccacagaa acagaaataa 180
attagtttct ttcagtcttg gtggaggtcc ttttgccgaa caccatactc cactgtgaac 240
agaattcatc ttgaacgaag aagaaatctt tggcctattt caccacgtct ccagcattgc 300
ataacagaca tttttcaaata tcagtttctt ctccaactgc agcaaaaagg caaagagtag 360
tctgtttcag gagtctgcat cgggtcctgt gagagccttg gtccacttag aacaagcctt 420
taacttggtt ctggttttcgg tatccagatc tatggtcata aa 462
```

<210> 275

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132986

<400> 275

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ttttgggcca cactgagtga attttaaatgc aggatggaag cacacagatg ggtgatcagg 60
tctctcttta ctgaaacaca gaacatgtgc caaggtagt ccaaggacac ctctgggaac 120
aggatgaagcc cctccccaca catacactcc ggtggatgtg agcgagggtc ctgttgccac 180
atctgggggtc aggggcttgg acatgctgcc ctatcatggga accttctggg tacctctcag 240
cacagtaacg cagctgcagt ctgtcgggtg gggcccaggc taggggcagc accctctttt 300
ggcatacggg acatgcctgg ctgcagctga tgtccgtag cctctcctga cagcagtaa 360
ggagacctgg aagtgaggcg cgtgggcgtg gagttcccg tggagcttgc tgcacagcc 420
tttcttgcca ctctgggggtc agtgaagtct ttcccg 456
```

<210> 276

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133214

<400> 276

```
catattcaaa ccatctttat ttacgaaata ctatcctgag aactattatt ccattaaact 60
tcaatttgag aaaagtgcaa tcacttaagt aacagcagtt acttaaaactg aaaatgagat 120
cagtcaaaat tactttttgaa gaaagcaaca atattgtcag gtttcttgct gtgg 174
```

<210> 277
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133215

<400> 277
caagaacatc ctttttaatc acaaaccact catccacaaa tgtggctatg gggtaagcag 60
tctaggctgg gaccctttcc agaggtaagt caaggtcacg tccctgcccc cttcctaggg 120
tggcgggtggc tccagccagg ggggcttcca ggtaataacc agagcctcgg ctactctgga 180
ctcctgtgag ctcttcttgg ctggaagaag gggggcattg tgggcctgct ctgtcccaag 240
gctccagaag ctgcccctac ccaggcctgc ctgc 274

<210> 278
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133296

<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t

<400> 278
ntatacnatt angtgganat cattttattac ntggcatggt tacaccaact ctaaagagaa 60
cnaagccaat ttctgaaagc aaanaaaaaa atgagcgatt cagtcntgct gaaactgtca 120
acagacttta gacctggtgg tcaaataaag ctgtgggttaa tttatgacat gtgagtaagc 180
aattcaaacc tacgagaaga gtttataatc tggatgtgg agtctcagg gattttattc 240
ttttttctga caaattcctg agagcaagag acttggttag tgctaataa atggagaaaa 300
cgttgtgtgag ccagttgctg agctccagat cgcaaactt ccctacccc cgttccacgg 360
ctcttagagc tgaggcactc atgtgaggag tcaggggaca tgagcccacc cctctgg 417

<210> 279
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133439

<220>
<221> unsure
<222> (1)..(395)
<223> n = a or c or g or t

<400> 279
gaaactgcac cacacacatt tgaacctcat agccaatgaa cagaccagc acttagcaac 60
ttctccctcc tgcgccccag agaagggaga aaaagaggga gcagaggagc accagctact 120
tcccaaacag cgccacgggg aagtcctcgc catcactggt gctgtgctgc agctccccgc 180
tctgccccag ctctctccca acatcttcca tgagttgctc caggctccagg tctctggagg 240
cttcgtcctc aagggggaca cttccagcct cctgggtcag ggggttcccg tgtctgggct 300
cttctttcgc agatgagggg caggccctt nacacgctga taggcccagg ttctttggca 360
ctgttctaac ttcttttccc tctgaaaagc tggct 395

<210> 280
<211> 424

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133457

<400> 280

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tctttctgtg gtttcttctt ttttaattac tgggaagggtt tttccatttt ttctcctagt 60
gttcctttgt ttgccaggga atgttttcggg aaggctgtgg agtgggacgg tggggatgaa 120
gcggggagtc ccacactctc tgggtccagg cacaaagcta tcctccgttg ttctgatctg 180
cagagccagc gccctcagca ggtacctagt ggtggcagag cgtggcctac acgttcccaa 240
ggaggccgcc agccgggctg tacccttacc ttgggggtgt gtgcagatgg aagggtggaa 300
gagacagacc aacaggaagt gttctcttca ggggttgcca gccccaccct gaatctcaga 360
gcctcctcct ccccgcaaaa aggcagggc actgtcccga ccatgggctc tgtacaagca 420
gagg                                             424
```

<210> 281

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133527

<400> 281

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aatcgattct gatgtttggc cacttgctcc attatcattc ttctcatctt taccttctat 60
tttcttagta tccttgcttt cttttttttc agatttctca gacgatcttt tctcttcttt 120
tttgacagag gcttggtgtc tgctacttct atcactcgta ttttttttat ctccagaact 180
tcttgaacta ctcttttcat catttttctt cttcatttct ttcttagagg gatcaccttt 240
tactttttca acagaaatca gctgtccatg cagctcagtg cgatgaagat gtgcaatata 300
cctggacacc tctgtgcttg aagacatagt tacaatgcca tagcattttg cccagggact 360
tcgagcattt gtaactactt ttgcactcag aacctttcca tatttgccaa agaggttctt 420
caa                                             423
```

<210> 282

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133590

<220>

<221> unsure

<222> (1)..(445)

<223> n = a or c or g or t

<400> 282

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tatatgggaa catactgttt attcaataag aaattaattt tttatcgttg gatttgaata 60
aattttcttc toccaagcaa tctgattggc agtacaccat tgcagcatat actttattat 120
tatcatcatt attatttttc acaacattta ataccaagtt tccttctctc acatagaata 180
ttaccaataa gaagtctcca aaaggggcca tagcacattc ataacaaaga tagaaaagaa 240
aactttcaat gtctgcttcc caatatgatg attcaactaa aacaaagctg aattttctcag 300
ctatgaaact gaaaaaatga aaatcagccc atgtgtacat cacggccagc catgatcatt 360
aacacctcca tgganatgag gggagaaaaa agagaaacaa ctgcttcctt cttacccaaa 420
cttctaatat tagcttcaaa ttacttttaa aaaa                                             454
```

<210> 283

<211> 451

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133666

<220>
<221> unsure
<222> (1)..(451)
<223> n = a or c or g or t

<400> 283
tttgcaatcc tcaaaccggt tattgacagc acaaggctca acagcaggtg agcacgtgag 60
gggtngaaagc gcttgnaggc agtgtgggca ccaggcaggg gatcccggag aaagccctct 120
gccagggaca tgggtgagggc gtggcatcac cacgaaggga gcataaataa cactggcagg 180
tgggtgggca gcaggagagg gagagcggac annacacggg gacacgcagg gtcggcggga 240
aaatgctggg acagggtcac acggggattc ggacacgcag acacagaagg gatcatggga 300
cgcccgagg atgccagagg gggcagacac accagagact cggggatggg catggtgctc 360
tgcccggtgt ggccctctct ccaatactcg ccttgggctt tgcaggcagg actgggcggc 420
tgagcactct cccagcagag ccaagcaggg g 451

<210> 284
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133936

<400> 284
tacttttagtg ttgatcagtt tattagtatt tttccaaacc tgaagaatgg tgaaagtgtg 60
tgggtacagtg tggggaaaac agtaagtgtg gctttgggca agccacttcc cttctatggc 120
tctcagtttt cccatctgca caatgagggg gttggagtgt gtggtctcta aggactgaa 180
tttcagtctg ttctccatcc atcagtggat atgtgagatg caatgcaggg gtgctggcct 240
gtccctggta atgagcgagg atatgagcaa agcagtgagt acagcctgga attccagcta 300
ctcaggaggc tgagggtacga gaatcacttt gaacttggga ggctgaggtt tcagttagct 360
gagatctggc cactgcactc cagcctgggc gacagagtga gactctgtct caaaaaaagg 420
attctacgac tatgat 436

<210> 285
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA134052

<220>
<221> unsure
<222> (1)..(410)
<223> n = a or c or g or t

<400> 285
ggtagcctga gaggnctctc cattctttat tcagtcccaa taagttaaag ggcaagggta 60
gggggcaggg ctcttaggtg aggacgctgc taactgaagg cagcagttca gccagttgct 120
ccaagatgcc caccgcttgg cacagcgggt taccctgcag gttgaggagg accagcctgg 180
gnaggaggca agaggctgga gcaactgcagg ctgctggagg cggttggtgc acagtagcag 240
ctcctgcagc cggggtaggt tgggtgacgcc gtccagggac tctatggcat tatcactggc 300
ctgcagcacc tcaagggcaa cgcagggccca gccagtgcag gtggcagggt tcggaggcgg 360
attgtgttga caaagtcaag atgggtgacc aagagcagct gttccagatg 410

<210> 286
<211> 462

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA134063

<400> 286

```
ttggatttaa taatctaggt ttaatcaaag caatttgcac ttggattttg gaatgaccac 60
tccttgctaa ggaagctatg tacttcatgc tgtggaaact ggcaaataca gaatgtagct 120
tgtttgtttt cttagccttg aagatgacca ggtagagaga cagagtgaga ccaacagttt 180
ttctgatttc cctgctcctc ctattccttc ctaaaaatca gactcattgt gaccagtagt 240
cttgaggact caagctgaat gatagagaag gcagctcaga cagaaaagaa aaaaagtaca 300
gaatttgaga agatcggaga tgaagaaaac gtacaaaatt atatatatat ttatatatat 360
aataacatga catatctatg tacaacatgg ctgggacagt tgaagaaact atacaatggg 420
gttcagcatt ttccccttcc cagatggact ttaaggatga ca 462
```

<210> 287

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA134158

<400> 287

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ggaaggaaaa attaaccttt ttacttttct ttctcacttt ttaaatacagc caaagtcaag 60
cccgtttgcc aacctgcatg tccatgcctg taagcccttc tcttggccaa ggaagaaagg 120
aagaaagaaa aaagaaaccc aggggcctgt atcccctgat taaacacagc acagcactcc 180
aggcagacat gccggtggcg gctcctttgc accattgacc tcaggccaga cacctcagcg 240
ccaacaatgg gacctcggcc ttccggctag gtttgcccca ggctgggcag gaaaccagct 300
cggccgaaga cagggggccat ttcgagcagt gggaccccaa gacagcaaac ccagcccagt 360
caggacttga cacttaggac aatatctat 389
```

<210> 288

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA134549

<400> 288

```
ggcttccaat aaaaaataat tcaactttat tagtatgaaa tattttgaga taattagtga 60
cccaaagtca tgattctcca atatgaaagg tggtcagcat aagcatacaa tcatttagta 120
aaactgctct ttatgagacc ccagaaaag ctggaggcac ttctcttttt tggaggagag 180
agaagacact acttaactgg ccatttcctt gctggagttt attccgattc ctttttgtct 240
gattcttctt cctcaaaact gactaaagga gtgtgtctgt tggcctgagc accttctctg 300
tagaacactt tctttactgt gccatccttt ggagacttta tggtatgctc catcttcatg 360
gcgatcataa ccatgaggga atctcccgct ttcactttgt ctcc 404
```

<210> 289

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA134968

<220>

<221> unsure

<222> (1)..(466)

<223> n = a or c or g or t

<400> 289

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gagcacaaaag gtccacttta cttacatgaa ggaacataaa ggcattgagaa acagtcattct 60
caataaatgc aagacatgag cataaaaagag gttctctgcc tttccagcgt tgttattaca 120
gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga 180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac 240
tcccccgatt tggcccggtg agcttccctt tgaggggtgtg tgacttgcca tctgcaaaag 300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc 360
ctaacagagt gccagggtcc tctgtcncct ccgcacctga ggncaaaagt ccaggaagtt 420
tactgccggt gttaggaggt gagctcaagt tcagtgtctg ncttct 466
```

<210> 290

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA134985

<400> 290

```
gagggactga acagattctt gacaagccta ggcataaatg ctccagggtt gggaaagagg 60
taaaataaat aggtggttac tggggaggct ccaacacagc cagaaggagc actgtttgct 120
tcagcctctg ggcctgtcca ttgtttttgc tgtgtgagct ggggtgtggg gtttctgtca 180
aactgggata cagaagagga attctcgggg ctctaattggg tatcagatct gccatcttgc 240
atcagcgggg cctggttctt ggaggtgtct aagctgggtc ctaagggtt atccccagca 300
tccttctgac agcctccagc cgggacagga ttctggtggc ctctgtgtgg acatagcatc 360
tgtagctccc caggtcttat gcgaagtagc tggctccccg t 401
```

<210> 291

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135153

<400> 291

```
tttaacaagc caaagttgta ttttttttaa caggaaaatt atgtcaatat aaaacagata 60
aaaagacaaa aatcaaaaca cacaacacag aaaagcacia cactcaagac cagtgcacaa 120
ccttcccaac ccaattccca ggtttttaaa ccttgattac agatcccca ggattagact 180
gtatcggaga ggtcacagta ttgaatcaga aaaagaagac atgtttttaa aggtctgtac 240
acaggtagtg gtgtgtgggg tgggggatgt acacttcac actccaacat caaaaaacat 300
gatgcaaaaa ggatttcagc gatgaccaca gatttctaga accctaccac gtatgctagc 360
ccccctcccc atccactttt aaaagttgct tttaaaaagg ataaaaagt cacagacact 420
ttcgtaa 427
```

<210> 292

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135407

<400> 292

```
tttttttttt tttttttgag caataaagct gtttatttca cctgggtgca ggtgggctga 60
gtccgaaaag agagtcagcg aaggggtgat gattatcatt agttcttata ggttttgggt 120
taggcggtga agttaagagc aatgttttgt gggcaggggt gatctcacia agtacattct 180
caaggggtggg gagaattaca aagaacctt ttaaggggtg ggaagattac aaagtacctt 240
cttaaggggtg ggggagatta caaagtacat tgatcagtta ggggtggggca ggaacaaatc 300
```

acaatggtgg aatgtcatca gttaaggcta tttttacttc ttttgtggat cttcagttac 360
 tttaggccat ctggatgtat acgtgcaa at cacaggggat gcgatgcttg gcttgggctc 420
 agaggcctga cacat 435

<210> 293
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA135558

<220>
 <221> unsure
 <222> (1) .. (413)
 <223> n = a or c or g or t

<400> 293
 gancatttta ggaaaccttt tattgcaa at gccattctgc atattgattt ttgacagaaa 60
 gtatcagaaa tgcttctttc ctgggaaa ag gaataataat gacagcaaga cacatttttag 120
 ttgtactaa agaacagcat tattttcaat cattttaagt cgctcattta aanangcaag 180
 ggtntaaaaa cgggttttaa ggtgggagcc tgcaaaaagg taattaatta aaaaagtgtt 240
 tcctccccgg gaaacagcac tgtttggtct gnatcaa atg ccgaagctgg gaatctgatt 300
 ctgggggtgcc gtctcttcgc tactgggagt tgctgaccag caggctgcc attcacgaaa 360
 agaggttggc aaggccaggc ccccaggtng cgctggggat ttctgggctg ggc 413

<210> 294
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA135871

<400> 294
 tttaaaatag ctaaataaat ctttaatat tctaattgca aatgtacaga aattgcacag 60
 ccacacagag tcttagaaca ccaacagctt cctctgtaca ttattacata gttaaaagtc 120
 gcagctggag ggaggagctc cagcccaa ac tccaacgttt gcattttttc cttttcacat 180
 acttacaaaa gaggggagct gggacgcggt gtgggagctg gggggctttg tggctgagt 240
 tgtagaaaag agagaggctg tttccctgga cagtctggct cccgcagtcg tgcgggccgc 300
 agggggaggt gtacctgggg cagatgc 327

<210> 295
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA135894

<400> 295
 gctgccacca ccatgaaaga gtggccacca catctttatt gcatactcag gtgaataact 60
 tattatacaa tgaacactcc tccattagga gaccatgccc acttacagaa tgcagccgta 120
 aatgcggtaa atctatttac agaggttggg gtgcaagatg agagaagtat cagccccagg 180
 aatttgaagt gaaaatgatc tacaaa 206

<210> 296
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA135958

<400> 296

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atcatgtttg tatcaagatg tagttaaact catggcacat tttaaaccatc tgtaagtcag 60
aaggatcact tttggaagag gccaattact ggcaaaagtg attcattatc aagacaaaaa 120
gtaaatgtac tttggaagtg taaaaatctt aaaaaatcct taaagaaccc tttataaaaag 180
caatgcaaag tatttactat acatctgaat aatatgcaact tcataattgt gcctcacccc 240
acctcctaaa atcttatatt gatctgtgtt ttgggtttga gagccacctt aatgtggaaa 300
tgcaagaatc agcaggatca agtccaagaa gaatgaagcc agatgggttct gtaagaccca 360
atgtgaatag acatatacaa caggaattat ttaactgct taaccattcc caccaaaaatg 420
agtaggggtat attta                                     435
```

<210> 297

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136079

<400> 297

```
cagttaattt agaaagttta ttttgccaag gttgaggaca cactgtgaca cagactcagg 60
aagtcctgat gacatgtggc caagatgggtt ggggcatacc ttggttttat acattttagg 120
gagacataag acattaatca atatatgtaa gaagaacatt gggtcagtgg ggagggagct 180
tccagggtcac agataggtga gacacaaaca gttgcattct tttgagtctc tgattagcct 240
ttccaaagga ggcaatcaga tatgtatcta tctcagtga cagagagata actttgaata 300
gagtgaggagg tgggtttgccc ctaagaagtt tccctaagct tgagtcttcc ttagtgattc 360
tggggcccca agatattttc ctgtcacagt tgacatcccc aacacagtgt ttaggggtca 420
gaaaaagata ccctaaa                                     437
```

<210> 298

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136269

<220>

<221> unsure

<222> (1)..(175)

<223> n = a or c or g or t

<400> 298

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gttcagcaaa tttcattgga ttaacagcgg ctgggttata gtagctagga acagctattc 60
ctgtctctgc caaagcttta nttgcagggc tgccatctga gctgccatgg ctatctgagg 120
tgttacttgt gttcctgatg ccaacagggc agcaacattg agaacagaac ctcca 175
```

<210> 299

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136332

<400> 299

```
ggctttcttg gtcttttatt tgtacccatg tgtctgtcac accatgaatg tacctgggga 60
aatcaactga cctccctgaa catttcacgc agtcaggga caggtgagga aagaaataaa 120
taagtgattc taatgctgcc taggtcacc ccaaccccca tttactggca caattggggtg 180
```

gagagaaggg aaggggtatg attgtcctga tggctcaggg ttgcaggagg ttcagagggg 240
aaggaggaaa ggccaggctg gaggtcgggc tgtagcact tccctccac agttcagacg 300
gctcactctg ggctcaggtt tgccatggct tcctttgggc caaacatagg ccctgtcctt 360
agtctgtgc cctgtttgac ttttggccag gaggcctttt ttgtgctgct gctgttgacg 420
ggctagctg 429

<210> 300
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136333

<220>
<221> unsure
<222> (1) .. (435)
<223> n = a or c or g or t

<400> 300
catgcttttc aacaagattc aacatctttt atttacatgt ttatgacata cattaatggt 60
catacacaat ttttaacta aatctagtaa caacagagga tggaacataa aagacacaat 120
tccaaatttt agtcagggtt aaatgttttt ccactaacct gaaagataag ataaatgagc 180
agccattata agttatggg ctgtatgtca attcacgtct taaaattgaa agtcagccac 240
acagctgtta aaacaatggg aaatttgcaa atgcaaatat ataatgcatg cacagctatc 300
acattttattc tttatcctta aagccatttt taaagtaaac tgggagaggc aacttagtaa 360
tatatgtaca tcaaggcaca ttcttttctt gtgctttagg aatgatttac atgtgatctg 420
cntatatcnt aattt 435

<210> 301
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136474

<400> 301
caaaaatgaa atatttatta ccgctttttg tgacttaaca cctttttttt ttaacataac 60
gtcacagtcc tcatacaagt attttaaatgt aaatttgaca aagcttaaaag gtaacagcat 120
tttcttctag tgaggaacac gtgctgagaa aagaagaatt catggacata caataccaat 180
tccacagcag atctgatact agcaaaaaca ttcttttttt tttcaattga ggtaaacaca 240
tagaatatct aacatgaaac aattaataga ccgaactctg tacgaagttt gttacagtat 300
tctcttgctc ctttttatcc cccaagcttt gagtttctga taaagtccta gttatggttc 360
aatgaccatt aataactttt tttgtgttga ggaaagctgc ccaacttaag attgttttgt 420
ccacaaccaa ggctcagaac t 441

<210> 302
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136547

<400> 302
ttcttaagta gctatattta ttattacttt ttccagcaat tttgcaagag gcagaagtgt 60
gacattgaat tgagtgaac gagcgtgtgg gtgggttggc gaggagccat tctcctgacg 120
caggctgctg gcttgtaag gaatggctgg ttccaccgct gggccgtgtt tactcttttg 180
cttcaaggaa aagggtttct tgagggaaca actttacctc caataatgat ttatttgggt 240
ccagttgagt tacgtctctc ctaggaaagg tgctcagtaa cttgtactca tcccatggaa 300

atccttttga agctacaaaa tcaaagacaa tctggagctt gttgctggcc aggaaacgcc 360
gctccaagaa ctgccactg ggggtccg 388

<210> 303
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136611

<400> 303
aacaaagaat acattattat tattataagg tactcatgag taaagaacaa tgaataatat 60
acatctaatt ttttaatact caatgcacaa tcaacatttc tgatcaacag tataaaccat 120
ataaaagaga attctgcttt tcatttgtac aaatactgct ttcatcattg caaaactttc 180
aagggtaaaa cgtaccatat gttgaagcta taaagctatt gcttgaatgt ttctaaaacg 240
aagttatttg ctgtctgttg ttaatcgggt acattgtcac ctctaatacc agtcatcaaa 300
tccataggat ctcttaattt ccaagagatt gtattgtaca gcaagattat ttttgtggcc 360
aatcagggtc ataggattcc ttttttttta aagataa 397

<210> 304
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136864

<400> 304
cacacagaca cagaatttat ttctggacgc attctgcagg ctggagggtcc cggcagcaca 60
gggctcacac cttgggtttt gcaaacacct cccagccctc cagccggccc atcttgacca 120
gggaggccgc tatgccaaag tacacgcagg cggcggcgca attcccgtag ttgtgcgtgc 180
gtgctcccag agtcaggcct cggggcagca cccgaggaag tagttcaggg ggtcgtcggg 240
cttctcgcgg acatgggcgc tgatgcagggt ggtgaggcca aacacggccc cgacagcagc 300
tgcagtgaac gtgtattgtc caaccttagc cactccttca aggaagggtc cgggagattt 360
gagtgtgact ctgtaggcag cggcgggtcag gccagcgacg ctgaaaataa ctgggtggtgc 420
tgtaggcttt gcggtggca 439

<210> 305
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136940

<400> 305
tagttttttt tgaatatatt tacaatataa atactaattt gtttccaaag tacatattct 60
tttaacaatt tgagaaaatt atctagcata cgacagtaat ttaatgtaaa gactctatag 120
tagtgattaa ggaaaaatag aactgttttg gggataagga atcctggcta tgaatgggca 180
tgatgatctg aacttgcaaa gggaaagtga agcagcttag tccacattgc actgctaata 240
caatatgtta aaggactact atgtgagata gcaacctgga tatggtgtta ataaaaacta 300
aacatgagag gatataaaaa gtacacatgc ttgcataggt gtgttacttt taaagaagct 360
ccacc 365

<210> 306
<211> 391
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142849

<400> 306

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tttttttttt tttcaagtaa aaacttaaaa cgtttatttc tggtagaaat gataaatact 60
ttgcattaaa aatctggaat tcaagttttc ctcgtacttc atgctccctc cctgccccag 120
aaccttacaa aaatatttct gtctagagag ggaaagagct ggtgcctgct ctggaggcaa 180
cgtccaggtc cgggaaaggc actcgtggtc tgtgatctgt ctcagtgatg ggaggtctcc 240
actcgcacca caggcagcct cggggccaga gatgagaata tgctgtaatc cagtacaggg 300
gctgcgtcgt ggggtcccaa cagctccttc tttggggata gtgagcccct gttggggagt 360
aggaagggac tgaggggccc tcccctcgtg c 391
```

<210> 307

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142857

<400> 307

```
ttttttctac acatactcct tatatttcat tattctaagt tatacacaat gttcaacagg 60
agtttgaagt ttatttagta ataaacataa gtcattggctg acaactgaga aaatcctatt 120
cacataaacc atcatagatt aaaaatacat agtatttgta ctttaatgca ataggggtccc 180
aggattcaaa caaggaaatt tgattccaga gttggcatta tgtagtattg tactctgcta 240
caaagaacta gtggaggtaa acttcggcag taaaattctc aacagtcaaa tattaatgca 300
tttcatatac atggctttgc atccgtagag gaagatacag ttccctcagca cacgtgccaa 360
tttctgagtc tccactagag aatcctcaac agtttcttct tcagaatcaa attcctgatt 420
atccgtgatt caaattatcc gaggttcacc attcacctcg tgc 463
```

<210> 308

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 308

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tttttttttt ttttttttca aggggaaact ggggcagttt tattgacgat ggcaatgtac 60
aagactccac acctaggtat gtgcacgagg taaggcctga gctcaggcct tatgatcctc 120
ctcaggaccc ttgggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180
cttaagctct tccaagggtg ctgtggacag gatcagcttg tactcttcca acgacaggcc 240
actgaagctg gtgtctctgg ggcgagggtta cttgtgtttg tagtagtttg aatggagtcg 300
cgctaagctc cgtacatctg atcacaggcc tcaggctctgc aacctgggta ttctctccct 360
cccgaaggc ctgtgctacc cgctgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480
ttgggccccg cgtgttcccc cccctcgtgc c 511
```

<210> 309

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA143019

<220>

<221> unsure

<222> (1)..(624)

<223> n = a or c or g or t

<400> 309
ggacacccaa agaattgatgc agtatttaaag ggggtggtaga agctgctgtt tatgataaaa 60
gtcatcgggtc agaaaatcag cttggattgg tgccaagtgt ttttttattg ggtaacaccc 120
tgggagtttt agtagcttga ggcaagggtg aggggcaaga agtccttggg gaagctgctg 180
gtctgggtgc tgctggcctc caagctggca gtgggaaggg ctagtggagac cacacagggg 240
tagccccagc agcagcacc tgcaagccag cctggccagc tgctcagacc agcttgcaga 300
gccgcagccg ctgtgggagc ggggtgtggc aggagctccc agcactggag acccacggac 360
tcaaccagcgt tacctcacat ggggcctttt ctgagcaagg tctcgaaagc gcaggccgcc 420
ctggctgagc agcaccgccc tttcccagct gcactcgccc tgtggacagc cccgacacac 480
cactttcctg aggctgtcgc tcactcagat tgtccgtttg ctatgccgaa tgcagccaaa 540
attccttttt acaatttgtg atgccttacc gatttgatct taatcctgta ttaagtttct 600
aacactgaga naaaaaaaaa aagg 624

<210> 310
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA143493

<220>
<221> unsure
<222> (1) .. (479)
<223> n = a or c or g or t

<400> 310
tttttttttt tttttttttt tttttttcat aagaagagag ttttattcaa cattatggca 60
tggcagtgtg attgttccaa caaagggaac ctactttggt gcccaggagaa atggctgttt 120
gtgatgctgg ggaaaagtca agatgctgac gcctaattgt ggttctagct ttccaggttt 180
gtaacatgaa gatggggaag gaaatggcac cactgctgtt tgtaatctga ggaactcttg 240
gcagcattca ctctccaaag cagtacaaaa cttacaaaga agtcaaaaagt cttaacactc 300
ccattctccc aggaactcct gncgtgtgtc tctggttaagg aggggaggaa tcctggtttc 360
cctcagggtc cttgtcatgt tagctttttg atagcttcaa tccactcggc tcgttcagcc 420
ttgctgggtg gcctgaatgt aatagtgtgt gtcancctag taatcncctt gaagaggtt 479

<210> 311
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA143763

<400> 311
tttttttttt tttttttttt tttttttttt tttctgatcc atgcacacct tattccatta 60
ccaaccactg tgccgcatcc aagcaacagt acacaaactg gcaatcaacc gcagtccagt 120
tgtacaacga tctgaggctt acagtacatt taaggctttt aaatgtggaa aaaaaaatta 180
aaaccaaaga acccccaaat ccaaaccctt aaccaacaca agtagtatag caatgttaag 240
catctcctat ttctgatgct tatttggcgc aactt 275

<210> 312
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA146619

<400> 312
tggagataaa aacagcgaag tcccacatac cataccctac aagacacaag gtgcgcagac 60

gagccttggg aatgtaccgg cgctgcagga agaggctgtc cgccgagcct gggctgctcc 120
agctacgcgg ggaggcgcc ccattgcaaa gtgcagtttc tccgcggagg tggcgggtggg 180
tcagtggcag agggccatgg tttccatgtt aaggaagcgg acgtgcatct tggctctcaat 240
gtcgatcccc tgccagatct tcaggaagtc ctggaagggtg atccccctcg acacctgatc 300
aggctccatc ttgccccatg cacacgctgg ccgcctccat catggccccg tcggcgatgg 360
agcgagcgga ctcttctcgc atgtgagggg ttcccgcag cagctcctcg accactttac 420
atttcgagg 429

<210> 313
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA146849

<220>
<221> unsure
<222> (1)..(274)
<223> n = a or c or g or t

<400> 313
gggttttctac ctttaattgg ggatanaaaa ggcacctctc ccagtacaag aggatcaacc 60
angagggtgan cccagtgct gtggtgccc gncagaagga acagaggaag gatggaggnc 120
aaggcagcgg tgaccccagt gctgtggtgc ccggccagaa ggaacagagg aaggatggag 180
ggcaaggcag cggaggggca gtggggccca gcacccctg aagcctcacc tgcagcctgg 240
ggctgattga gatctcgccc actgcgcgca gang 274

<210> 314
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA147084

<220>
<221> unsure
<222> (1)..(554)
<223> n = a or c or g or t

<400> 314
tttatgagca aatccaaatt tattttaatg tcatgtcatt ttcaatgtgt ttaaaaacct 60
cataagttag tgggagccct agtttctg gacagcatgc cagagggtact gaaatttgtc 120
acctttctct acaaaccctc agcaatccaa tccaagtcca tagcttcaga aagccaggag 180
ttgtgtcttc agtcagtcta cgctctggt tcntgggttt tccttncatg gggaggggag 240
atnncaanat ttcaaacagg ggaacaaaac caggttgagg cttccangct cagggtctgt 300
gtaagatgga gcgaggaaag accccactng actccagaga aaaaagggtg aggtttgaga 360
tggattatct cntttacagc tttggtgaaa atgggaagaa aaaagattta caaatgagga 420
tnccatttca taggatggag aatctcttca taaatgaagg ctccagggtc caaatgggg 480
agggggcctg actggacagc ctgaatcnga tgaggaatcg gccacactgg attanaacaa 540
tctgaaaaat aatc 554

<210> 315
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA147439

<220>
 <221> unsure
 <222> (1)..(414)
 <223> n = a or c or g or t

<400> 315
 ttttttggct taaacaacaa aggtttatct cttgctcact acatatccat tgtggggttg 60
 tgggggtggga gtgggggatt ctgctcatcg cttaggaccc caggctggca gaggagggtt 120
 tcaactggag agctgcttct atgtggcaac ctggacccag gctctcaaag cttctgcca 180
 gaagtgacct tcggcggttc tgctcatgct ccaactcgccg gggcagcccc gacctaacct 240
 cccagcaggc agcnatcaca tggtacaggt gccagggaga ggagaaactg cacctttgtc 300
 aacaaagacg accacggagg ggaagactgc tgatggaggg tggtcaggag taggggggct 360
 tgttctgccc tgcagtttct cccctatctc ccaggactga gctcgacaca ggca 414

<210> 316
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA147626

<400> 316
 gtttaaatta cattatctat ttttttagatc atccctctta gtcctgcatg cattgttagc 60
 acaaaaagtt gaacttgatc acaacttcct ttgaagagag agtaggtaca caatgacct 120
 ctgaagagtt tctccacgga gggaccaaga attccagacg ctggtaacac tgtcagtaac 180
 ctacacaact ttcaatacaa aaaaattttac caaatatcct gtttaagtga aacaaggcag 240
 gaggcaaaac agagtattac agtaacacta ttttacaggg cccagaaaat gtgattatct 300
 accatgtttt aacacataaa gtgtcacaaat gacatgcata tttgattttac tacataaccc 360
 aaaatataat taccatatag tgtgggttta gcacttcact gtaacgtctt ctggg 415

<210> 317
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA147646

<220>
 <221> unsure
 <222> (1)..(325)
 <223> n = a or c or g or t

<400> 317
 gttcctaaca caaatgtgaa tttattgggtt gatttgatat ttaaaatagt actttttacaa 60
 aatcatctca gaaaatatac tacattttatt aaaatttccta caaaccattg cagaaaatat 120
 taaacctctt aaccaaccta aactcgtct tcnnggncc ctgggtgatga ttttcacagc 180
 ttccatagtt gcaaagaaca aagaaatcat cttccaacag ggggtggaatt agataagaat 240
 aatccaaaan atattttatt ctttacagac tcacagattg cttggatgtt taggggctct 300
 taccctagga taccctaatt attca 325

<210> 318
 <211> 352
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA148480

<400> 318

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aaagtaattt ctttattgag aaaataaaga catgggttcct aaggaaaagg gctaaaaatg 60
accatgtttc aagtacacta gtgaatagca agtgaaacaa aatgtcttaa gcatctatat 120
gtctttatctt agatacatac aactattgta ggaacattat ttctcttatc tctcaggaaa 180
catattttagt tataatatga aaaaaaaact aaaattgagc ttctaataga aaatcaaacc 240
ctatcagaag aagagttacg tggagtaagc gattttatac cgatgctgga cttactctcc 300
ctaccataaa atttgataa acaacaaaca tttattaagc acctaccaca tg 352

```

<210> 319

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148539

<220>

<221> unsure

<222> (1)..(555)

<223> n = a or c or g or t

<400> 319

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ctcttgtcta gcaatctggt aggcttctga accaagacca aatgttttacg ttctctgct 60
gcataccaac gttactccaa acaataaaaa tctatcattt ctgctctgtg ctgaggaatg 120
gaaaatgaaa cccccacccc ctgaccctta ggactataca gtggaaactg ttcattgctg 180
atgaatgcag cagtcaccaa aaaatacacc caatcttcca gataacctca gtgcacttta 240
ggaaatcaaa aattacctgg aagcaattta gtacatagat tggcttttta aaaaaacttt 300
tttttttttt ttaaaaacag cagcattaaa cttagtgaac tgacaccgac atgattaata 360
ccatcttaac acactcagaa ttccgccttt cacattataa tcaagcatag tgggtaaact 420
gggtataaaa gtgactttgc tacgagagac aggttagggg aacaaacaac ctggacttat 480
gggtagaacc cntagctctg gttcagattg ccataacat acacattttt aacnccacgg 540
tacactgtac agctg 555

```

<210> 320

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148885

<220>

<221> unsure

<222> (1)..(452)

<223> n = a or c or g or t

<400> 320

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ttttttcctt ccatcattta tttaggaaaa agttttatgt attagggtaa agtggtagaa 60
gttaacctag aatctaataa tctccaatca cccattcctg atctaatagt agccatgaga 120
aaaaatctct agaaagaatc atacctctca aaaaataaaa aataaaacaa aggctgggtg 180
cagtggctca cacctgtaat ctcagcaact ccggaagttg aggtgggcag atcgcttgag 240
cccaggcata tcgcttgca cctgggcaac gtggcgaacg tcctctacca aaaaatacaa 300
aaagtagccg ggcatagtga catacacctg agcccaggag gttaagccta cattgagccg 360
tgattgtacc agtgtactct agccagggtg acagagtaag accctatctc aaanaaagaa 420
gtgccataaa aaagaaaagg ctctagcctt ta 452

```

<210> 321

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148923

<400> 321

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gtctgaaact ttttcctttt aatatggttt acattctatc tccagagaaa acacacttaa 60
cagaagacag aaaacattta acaaatccaa agcaattaaa aatagccaca aaaaaagaga 120
ataacctaga ctgacagctc acagagcaag gaggtggcag agacctgccc aggtgatctt 180
ggctgttgcc cccagctcaa tcttcctcct ctctctctc tgtcccttca cctctgatca 240
gtcccagcct gattcccgtt ccctgatgcc tcaccttctt gctgccagat gcctctagga 300
actagggtcc ttcagactcc agatgccctg gcctgggctt aggacatctt gacttcccca 360
gtggaca 367
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<210> 322

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148977

<400> 322

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ttttttgaat caaaagcagg gtttattttt ctatcaaatt cccaatccat gttccagcca 60
atggatgaag ggtgaatcaa gccccacata gactcttggg aaaaacaatt ctaactttct 120
aaaaaaaaaa aaagccaaca cacttttttc tttcttttca aaaagctccc aggccttttg 180
gaacagctga aacaaattca tctcctgact aggtctgttt tctcttaggt atttgatgg 240
tccctctctg ctgcgacttc tgcacagatg aggcactgat aatggcctgc aggtcactca 300
caatcctagc tccacatcac tccatgggtt gataacctag aaccacgta tgatttccat 360
ttataatgcc ctaagaacag ctgaaaagat ctgtattaaa ttctggcaaa tctttattga 420
gtgcc 425
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<210> 323

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149253

<220>

<221> unsure

<222> (1)..(567)

<223> n = a or c or g or t

<400> 323

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aatatggaca gggagtctca ttgtgtttat catatcaatt aatattacag tacatccttg 60
gtaatacaaaa attgtacacc ttcatacaat aaattaggat aaattaaacc aataaattat 120
gcaaagtctt cagaacaata gacaacaaca aaaattcaca attgaaattg cctctagcta 180
aaaaaaaaaa acaaaaatca aaaattgact ttatcagttc agttattgta ctatattcaa 240
atcaaagggt ctttattaca aaaaagagct taataatgct atttacaaca tattgctaaa 300
taatataaag gcagtgtttt gtcacgggtt atactatata catatgagaa atggctggga 360
caatattgag ggaagcccat gaccttttgg attcttccag gtacgctga gaccnatccc 420
aatacatttt ttttccttag ttccaaattt gganggcgta atatngcagt tttnagaaat 480
tttccncccc cnttttttag gggggatttg atattttana aaaattccgg atggaatagc 540
gtttcccna aggagggtag cntgggt 567
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<210> 324

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149530

<220>
 <221> unsure
 <222> (1)..(329)
 <223> n = a or c or g or t

<400> 324
 attcgttttt tttgtttgtt tttttttttt ccaaaataag cccagaccat taaacaagtg 60
 aaactccaac aaataagtct tctccaacag cgagaaaaac tgtacagtta ctcaaagctg 120
 attctgccag tggggccggg gacagaagtg ggtagggagg gtgaaatcat ggaggngggc 180
 ctggggaggg ggctggagcg ggagaggggc agggctctgc ccatcagagt ggggccgcct 240
 gcgtcctgca cactctgctg tcaggtgggg tggggggcag ctcttgccct cctgtgtgtg 300
 tgagacggtg tccctcacca cctcccagt 329

<210> 325
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA149586

<400> 325
 tttttttttt tttgataaca attgtggttt tatttgtgtcc aaccaatgca tcaataaatg 60
 aacttgaagc ccaagcctgt gtgtgtccta attccactca cccagccccg ggcacctgcc 120
 ccactcacct ctggctttga gaaggggctg gtgtcgggtg ttgcctggct gcagtgtctc 180
 acctaggcta ggtgtgcacc ttagaagcac aaagcgggca cagttgtggg taataagctt 240
 actctgcagg ccgctgggtg tgtgcccacc ctcttgagcc ccgaaagagg acctgtcagc 300
 tcctgagagg ctgctacggg tttgccttgt tctgttcagg catctgaggt aagaaggagg 360
 ggccagagga gcaccttgtc cagccttcac catgag 396

<210> 326
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA149889

<220>
 <221> unsure
 <222> (1)..(315)
 <223> n = a or c or g or t

<400> 326
 gggatgggaa aactttatta ggtttggttt ccagcttcgg ccacgcgggc tccgcnacac 60
 agaagctcgg gtcacggggc gccccagccg ccctcctcgt cgtcctccac gtcgaggccc 120
 gggatgccgc ggatctggcg ttgcagcgcc ctcccagcaa gggcacggcg ccctcctcct 180
 cctcctctgg gggcggcgcg ggtggcgggc acacggcccc gggggatggc tctgggggca 240
 cgggaggctg cncgacacgc cctctgcnc ctcgagatc cctgcgcgtt cgccctgcgc 300
 cccctcgtcc agggc 315

<210> 327
 <211> 344
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA150053

<220>

<221> unsure
 <222> (1)..(344)
 <223> n = a or c or g or t

<400> 327
 gagcaggagc tgggcctttg agggccctgc tccaacccca agctgcattt atgatataac 60
 ccatacacagc tggattttta aaatacacaa aaaaatatat aatatacatt ataaaaccta 120
 ggtgggggttt ggaggtggcc tgagcgatat gcaaacagtg aggaccttca ggaagctcgg 180
 gcagggtcgg gatgnnngag ggaaggggca cagtacttca tatganactc ataaataccc 240
 acaggtggct gctggacagg cccagctggc tctggggggc tgggtgttta agaagggaca 300
 gcaggttgaa ggggttaacc ttcaagtccc agaaactggg gtct 344

<210> 328
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA150205

<400> 328
 gtattattttt gttttttttt tgtttttgtt tttgtttttt ttggtctaaa tagaaaaaag 60
 gaaaaggaga aagtaaattc ttagggccag acctcgaaat gccccagtg tccaattggc 120
 agctatagca tttgtgagga ggttcctttg ccctcagacg agtagtttca acatttcagt 180
 gaaaacaaaag gttgcagaaa gctgaaaacc cagatcctga aggttgctgt catatatgtg 240
 tttgtgtttc ttatattatt tccttttgac ttcagttttg catcccaaat atgtatgggg 300
 tggcatttta acagtcaatg agtcaaacag tcaaaggagg acaggagggg agccagctgg 360
 taggagggag cagcaaccgt gtgtggacca agcgccattt ttgttttata gacgtg 416

<210> 329
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA150284

<400> 329
 tttttttttt acaatttcct tatttccttt attttaatgt gtcaaaaaaa cacttaaaga 60
 tattcttgta aatacatata agctgtgtgt caacattcag tactatgcaa atcatttttc 120
 aatatgacaa aatgaaaaac ttacacactt tagggtagcg cttaataactt atctttgaaa 180
 tctattgctg atgctaggtc taaagagcaa tgactcaacc agaaaaaata gtaaaggctg 240
 ccttttcctt tttaaagtgc ttattagctt tatatccaaa aacaatggtt ttacaaaata 300
 cataatactg aaaggtgctc aaaaagtcac cacttacaga attgaacatg tcatttttcta 360
 actctgcaca tgtaaacttg ttttatctgc attaatgaag attgcttcaa atggctctca 420
 atcatatgct tcaaatcaag acagtgctaa gttccagcag cataaacagt gacagcagga 480
 ccaacccag cacattttca gtgg 504

<210> 330
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA150776

<400> 330
 taggggttgt ggcacataat ttgtttaatc cagattggat acatcaggta cagcagtggc 60
 acacgactca atactgtaaa tgatatacat gttttaacat atgcactaca gtttcaaaag 120
 aagacgacag gaaactcaag ggtgtttttt ttttttcata gaaagttttc atgttttatc 180
 ttctctgcagt tttgtacagt atattt 206

<210> 331
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA150891

<400> 331
 caataacata agagtcagga gagttgggag gtatgtccta gggatgtgat tgactcttga 60
 catttaacaa ctttgaacaa ctgtgtgtaa agtcacagac agaggaagca aggatttttg 120
 ttatcgagg acgtctctct ctctggttg aagtttggtg cttgggtgca tagtcttcca 180
 gagctgagac aggaaatgta ctgtgctgag aaatgggccc cttgccagat gctccccctct 240
 ccttcctctc tgcgaggcag aaagtcagaa ggtagagatt gctggcaaaa ctgtgaagtc 300
 ccaccctggg gtctcaaccc caactccact gaagggcagc ctccctgacc gtgtgtgact 360
 aaggcagtaa ggggtggccgg ttgatggcgg ccgggaaacc gagttttcga aggttcacat 420
 ggccaagtct ggcttctgat tctgctgccc tgcaaagaaa 460

<210> 332
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA151182

<220>
 <221> unsure
 <222> (1)..(438)
 <223> n = a or c or g or t

<400> 332
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 acctntcctt ccgtgtgtga aaatccttgg gggaaaaaaa atcccacacg gtgttcttgg 120
 ccacaggat catgaaaaca aactttggtg aatgtgagca actgcgccag acaggacaca 180
 gggttacagg cctgacgtca ctaacggtaa ctgacaatct tggaatggac cctactgctg 240
 atgtttcaaa aggacacaga ggtgaactgg tcacttctaa ttaagaagag ccagtgggggt 300
 gggggaagct gaaaaccaa aatccacgta gacatacgtg gcagtngtga acgtctgtcc 360
 tccccttct tctctcact tctctcctc ctctcactc aggntgggta ttctccnggg 420
 tgtgcggatg tcagctgc 438

<210> 333
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA151210

<220>
 <221> unsure
 <222> (1)..(426)
 <223> n = a or c or g or t

<400> 333
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 atggagaaat gttgttgcag aaatgtcagc aaactttaca gcagtagttc acacatgcag 120
 ctactatata ttcatctatt gctattttcc taagaaatgg agcaacctag gagcttatgc 180
 tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240
 tgtgatatct tctgttgggt ttgagttttc aaacctgaaa ttctttaaaa tacatttctg 300

ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgacttctt gggtaaaatg 360
 taatactgaa atggaaaatt gtcttttcaa aaaaataaga agtgtgggtt ggaaattccc 420
 cgtgcc 426

<210> 334
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA151243

<400> 334
 cacctttctt ttgtttatatt atattcttta gttttgtgca cactttgagg aattgattta 60
 ggacagggtt atactgaaaa aaacctcagc tgatgttatc tgtgggggct ggggagggtg 120
 tcaggacat ttgggtggctg aggagagcgc gtcactgcta ttgaatagct ccattttaaca 180
 ccagccatgt ctccgcgtct caggcacttc tgtgaaatgt ttcagaacc ctgtggtgac 240
 tgcggcacac ccggcaggcc ttgctagcac acgccgccca ctggcagggc ccggccaccc 300
 tggtgtgtgc cattctttcg tagggttttg ttcattttac tatttgtcat ttttctagga 360
 aacatctgtt tttgtaaaac aaacaagggg gaatcaagta ttttaaccac aa 412

<210> 335
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA151428

<220>
 <221> unsure
 <222> (1)..(400)
 <223> n = a or c or g or t

<400> 335
 cagagagaaa gtgctttatc agccgggctc agccgcgaca cggactcgcc aggagtaggt 60
 ggtcagcacg cgctgctggc ggcnaccacg cagggtgtagg tgccctcatt gacggcggtg 120
 ggcgatgatgc tcagggtgcgc ctgcgccagg gccaggtagc cggggtagga gaactccagg 180
 ggctcctggc ccttgtacca gtacactttc cttttcttgt ggaggatctt ctggccgcag 240
 cggaaggtca cgttcctgcc ctccgnacca agcctgggtt tggctcctggg gggcgggtgg 300
 ggtggttggc caccgtgggg aaaggggaat ttcgtagcaa gaaantccgc aagctngctt 360
 gggggcaaaa agcttccttt ccantgaagn cccgccggga 400

<210> 336
 <211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA151435

<400> 336
 atattttccca ccttttatatt ccatcggtat catccgttta aaaagaatga caagaagatt 60
 cccatcagtc caaactggac caccacact ttgaaaaagt tggagcattt cagccggctc 120
 cgcgatgatcc atcctgtott cagtcagtgc cttctggaag ggagggaag tcttggtatgc 180
 acctggcact caatccactc ggcgcctggc tgctgctgcg gtcctggggc tggaaggaac 240
 tcccactggg cacacatcta cagaggagtg cgtggcgagc ttgaggacgg ttactgctgg 300
 agccgacaca cagcgaacta catactttta gaa 333

<210> 337
 <211> 631

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151676

<220>
<221> unsure
<222> (1)..(631)
<223> n = a or c or g or t

<400> 337
ttgggattat aattcattta ttcttctggc cctaaaggaa cttttaacga ttgaaactga 60
gtcttttcag ttggagccag ggaatgaatc tgggtatgtc caaatgagag ggtctttggc 120
aaaggcactg gtgaatttca atgggataat caaaccaccc ctaagttggc agctgaccca 180
gaactggctg ttgggctgga gggtaggcca gggtccttat gtgttgatc tgatgtccgg 240
agaggagggg ctggtcactt attatgcccc tgggaaggcc tgaatccggc tgctgggtgaa 300
caagttcttg tctagctgcc tggacagatg gcaccaggaa taaaaaggaa gaaagtcaag 360
gcagtggaaag gaggaaggct agggagcggc cagagaatca aggaccaggc aagagaagat 420
ggatatggct gaccaggggc atctttacac attgaactct caggtcacaa gtatgctggt 480
ctggggagaa atccccatgc atgcggggga gcctgcatcc ctgagacaga tgaggcaaa 540
gagcatccca cacgtgggaa acctgctcag atgaaatgtt tccaggaagt tctaagctac 600
ttactggacc ncagganttg ggagactacc a 631

<210> 338
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151778

<220>
<221> unsure
<222> (1)..(565)
<223> n = a or c or g or t

<400> 338
tttttttttt ttttttaata aaaatcttta tttttttatt aaaaaagaag tacttttggt 60
gctattttaa taagnngggg gtgggaatga atgtcgagat acgagcacct gcatctttta 120
gtcaattgtc agtggagtcg gtggggtgct aagtgttctg aactgaagta ggtgcactaa 180
ggttccaagc tccctgcaag gatctggacg ggaggaaagc agaggccctg aagggaaaaa 240
agcctgcttc ccaatactta ttttttatta ctgtacaaaa agcacactct ccctcttttt 300
gtctctccca ccaacggcac cccccaccc ccaaccgaag aggactatac atggagtgc 360
gggacagagt tgaccaggag gcctttgtcc ggcaccctgc ccacaggctg agctcagccc 420
caggcccttt caggcatcta gacactccca tagcctggct angctggggc aagggagatn 480
ccaggtcaca catacttccc tggaagagtt ggacttaggg gtaagagccg ggtgcacggt 540
anccagnctt gctctcattc ccang 565

<210> 339
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156187

<220>
<221> unsure
<222> (1)..(628)
<223> n = a or c or g or t

<400> 339
ggattgcaaa aatttatttaa aattggagac actgttttaa tcttcttggtg ccatgagact 60
ccatcaggca gtctacaaag accactggga ggctgaggat cacttgagcc cagaagtttg 120
aggctgtagt aagcttcaaa ggccactgca ctctagcttg ggtgaggcaa gaccctttca 180
agcagtaagc tgcattgcttg cttgttggtg tcattaaaaa ccctagttta ggataaacagg 240
tctgctgca tttcttcaat catgaattct gagtccttg cttctttaa acttgctcca 300
cacagtgtag tcaagccgac tctccatacc tttaaaaggt atgacaggaa ctgtcttcat 360
gtccttacc aagcaagtca tccatggata aaaacggtac caggagcaga accattaagc 420
tggtcaggc aagttggact ccaccatttc aacttcagc tttctgtcta atgcctgtgt 480
ggcaatggtt gagttaggct tgctctttag gacttcagta gctattctca tccttccttg 540
gggacacaac tgtccataa gtgctatcca gagccacact gcattctgcac ccagcaccat 600
acctcacagg agtcgactcg tgccgaat 628

<210> 340
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156243

<220>
<221> unsure
<222> (1)..(668)
<223> n = a or c or g or t

<400> 340
accacctgac tcagacttct ttgtcgttgt tttattttaa atgttattgt ctctgattag 60
aaaatacagt catgaggggt aaaaactgaa atgatgtgaa aaggcatcca ttaagcagtg 120
ttgccccacc accctttcca tcagtcttgt ctcatgggga tggggaaaat gaagacagaa 180
cgctttgcct tgetttgcaa tccctccttt gaaggccttc tgtcccagga agccaatgtt 240
catttgatgt ggaagaggga cctgtgttta accagaagct gtcctccctc atccctttcc 300
catggcttac acgcagaagg gagaggagat gaccagagga gaaatcaggg gaagaaaagg 360
caacagggga ggcaaaggga aaggagagga atgcttaaaa tatacagtga aatttgagta 420
ggattctcta ctcaaagact tctctgggaa gtgtccagaa ttgaccacac aggtgctgac 480
ggtagaaaga acacagacct anaacctga tctagtgtga ttaactccat tagccctgag 540
ttccctgtaa aatgaagact gtngaggacc actagaggat tctgtgactt ctcaactcta 600
aaattttgga ctggacctcg tgcgaatctg gctcgaggca aattcctatg tggcgatnaa 660
tcgnacag 668

<210> 341
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156336

<220>
<221> unsure
<222> (1)..(350)
<223> n = a or c or g or t

<400> 341
tttttttttt gtttttttng ctttatectc ttctttttct nctacttttt cttcttgcca 60
gggtcgagca atttgctgct ggtttctgcc tctgcgtttc ccanaattcc ttctgacgag 120
ggctttataa ttctcatttt tcttggttaa atagtaatac aaaacacaat cagggaacact 180
cttcctctcc aagtatgatg caattagtc aaagtttttt ggatgctgga taaacttgctc 240
cttaaagatc nccttttcat ggtcagtcga aacattcatn aactgcctat ctttatacac 300
tttcataggg gtccctccat aagcccantc atggtaaagt gactttgact 350

<210> 342
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156450

<220>
<221> unsure
<222> (1) .. (434)
<223> n = a or c or g or t

<400> 342
ttgcttataa aaaccatttt aaattaaaaa agggaggaag catcagtgc cacagatggg 60
gacacagggg cagagggcca gcccaaagta cagtgtggtc accccacagc ccagtggacc 120
cagggcagac tcccctcgca gcacagacag ctgaggcccg ggtgctgggt cctctaggta 180
cagctttggg ccttgtgggc tcagaggtct gcctttcgga aacttgctct gttcaaggag 240
ttcctgaggg cgggtggggg ggggtgccatc agctggggca ggcgctgggt aagcaggggc 300
tgcaganctc ccgcagcggc agtagttgcg ctccagctca cgggtgtact ccttctgggc 360
cggcccaatc agggctttat ttttccgcag cgcacacctc catttcttgc agaagtcctt 420
gaagccctcg tgcc 434

<210> 343
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156460

<400> 343
tttggttata aaagatttta atatcaata aaatgtacat gatcaaaagg ctttgattgc 60
catgtaaagc atagtttcca gggtacatca agtgatttta tcttctccca tttcaaatga 120
aatgttgaaa gcacaaacaa tctgccatga atgataagaa gcaaaggcag cacatatcat 180
ctgcaagttt cttcccaagc tataaaatat catgttcata ttttctctgt ttgtgatccc 240
aaaacaggca atattttcat ttcattccact ctattcttat gtatttgaaa agcagggtgt 300
atccacctac cacaagagca ctgttcacca taccagttga aggaacccaa cttggcactg 360
cattttgggc aaagaagctg tccatccatc actcccaaca aagcagattc catccactgt 420
acaggttcaa tgaaataaga tgtacattga gg 452

<210> 344
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156565

<400> 344
atagtaaata ttttaattgtt tccatcagca attccagcac aagttttcct ggatggtagg 60
cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120
agtactgac ccctcccgcc acctccacac accaggtggc cctgcagaat gaggggtggg 180
ctgatagaat gtcaattagg ggagacagga tacagggtga gggaacaggg tctagcttgt 240
atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300
cacatttaag ttttcaacct caatatgcag ggggaaacag ccaagccact ctccatctgt 360
ctagtattag gaacctctct tcaagtgggc ttttgtcatc tctgttcttc ttcccaattc 420
tgtattccag attccaaatt ctacaattga aacccaa 457

<210> 345

<211> 424
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157112

<220>
<221> unsure
<222> (1)..(415)
<223> n = a or c or g or t

<400> 345
tgtgttcaaa gagtgagatt gatttctttt tattgccatc ttaacaaaaa tacttcggaa 60
ggcaatcttt gattccagca tcggaggccg ggcaattcca ggcaataatt aagccatcag 120
ntgtttggac aggagagtgt tcagtttgag ggaagcagga acccccaaag aaccacagaa 180
tggggagatg gagccaaagn acaagggaca ttgcagtcac cttccattct ccctacgtgg 240
gacaaagctt ggcttgggtt tacaagcagc gtccaggaac agccttggaa ggcactagat 300
gctgcaatcc tcccagctcc cactatggct gggggcagga tggggagggg ggggggggtg 360
ttgggtggag gggttggctg ggggacttct gctgggggtc agcttcaggt tcaggggaaa 420
aaaa 424

<210> 346
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157401

<400> 346
gaagatccga ggcattgtgg aagagagcgt gactgggtgt cacaggctgt atcagctctc 60
caaagctggg aactctgtgt tccggccatg aacgtcaatg attctgttac caaacagaag 120
tttgataact tgtactgctg ccgagaatcc attttgatg gcctgaagag gaccacagat 180
gtgatgtttg gtgggaaaca agtgggtggtg tgtggctatg gtgaggtagg caagggtgc 240
ctgtgctgct ctcaaaagct cttggagcaa ttgtctacat taccgaaatc gacccatct 300
gtgctctgca ggctgcatg gatgggttca gggtggtaaa agctaaatga agtcatccgg 360
caagtcgatg tcgtaataac ttgc 384

<210> 347
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157520

<220>
<221> unsure
<222> (1)..(307)
<223> n = a or c or g or t

<400> 347
ccaggctcgt agagtcaact cctgcccgtc tcccagagat gcttcaccag cacctgcctc 60
tgagacctcg ctctctgttc cagcaaccct ggttgggggg tcagacttga tacactttca 120
ggttgggagt ggaccacccc cagggcctgc tgaggacaga gcagccaggc cggtcctgnc 180
tcactttgca gttggcactg ggttggggag gaagagagct gatgagtgtg gcttccctga 240
gctgggggtt ccctgcttgt ccagttgtga agctgtcctc ggtgttaccg aggctgtgct 300
aaganga 307

<210> 348

<211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA157799

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 348
 ggggttcact caagacctag gctacagcan ggtcaagtgc ctgctttatt caacaggaag 60
 cgctcaagtg ggactcacc cccacctttc acagtgtaaa gtgaataggg agcaaggcag 120
 gaagctagaa aaataatgca tggatctaga caattcagaa aaacccttct aagtcagctt 180
 aaggccaaga ctggtcagtg tgagagaaca aaagaggtga cagaaaagcc ttggnagcct 240
 gagccatgat gggcctagcg gaagtagttg ggacattcgt gagcaaccaa atgccaggct 300
 tgattaaagg catccacgac agccggctcc aggggccctt cctctgttgc tgccaagtgc 360
 tgctccagct gctccaggct ggacatgcc aggatgaccg cgtccccgtg ggcaccctgc 420
 agctgtgagt ggtggtacat ccac 444

<210> 349
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA157818

<220>
 <221> unsure
 <222> (1)..(441)
 <223> n = a or c or g or t

<400> 349
 ttttgtgagc aacaaggctg tttatttcac ctgggtgcag gcgggctgag tccgaaaaga 60
 gagtcagcaa agggagatgg ggtggggccg ttttatagga ttagggaagg taatggaaaa 120
 ttacagtcaa aggggggtttg ttctctggtg ggcagggtg gatctcacia agtacactct 180
 caagggtggg gagaattaca aaggaccttc ttaagggtgg gggagattac aaagtacatt 240
 tatcagttag ggtggggcag gaacaaatca caatgttga atgtcatcag ttaaggctgt 300
 ttttacttct tttgtggatc ttcagttact ttcaggccat ctggatgtat acgtgcaaat 360
 cacaggggat gccatggccc tgacctgggc tcanaggcct gacaattcct gccttcctat 420
 aattaattag gccaatnaaa c 441

<210> 350
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA157857

<220>
 <221> unsure
 <222> (1)..(427)
 <223> n = a or c or g or t

<400> 350
 tttttttttt tcntcccttg nacnataaat ttttattggc aggtcaggan aagagcnggg 60
 ggtaagggtc ccttccttnc catccctcta cncanaagac accctccana gganagnaga 120

```

agccccagag cctgctgcct cagaggacct tggaggcaga caaattgttg tagtgatctt 180
cctgtccctc gagcaggctg cgggttaggtg gcaatctcct gctccagccg cgacttgatg 240
tccatgagcc gctggtactc ctgattctgc cgctcactat cagctcgac atcgcccagc 300
tgggttcaat accgctgatc agcgcctgga tatgcgccag tgggctccaa agcgcgcctc 360
cgtttctgcc agtgtgtctt ccaaggcagc tttcatgctc agctgntgac tgcagctcaa 420
tctcaag 427

```

```

<210> 351
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA158234

```

```

<220>
<221> unsure
<222> (1)..(614)
<223> n = a or c or g or t

```

```

<400> 351
nggctgtgat aggtttattc agaggaagca ctagactctg gggtagctca catgggtaag 60
aaagacttcc aggagcaggc attgaagggt tggcaccctg ggtgagtgtc caagggtcagc 120
gagagtcact tgtggagggg acggaagatg acctggctga tctggccagg gatgggtgtag 180
aagaccagga ggaggaagac ggtgagcagc accagtagca gcagcaccag ggtngcccag 240
taccggcnca gatgaagaag acaaaggcct tcagcgggtt cacaaccag ttgaagggaag 300
ttttggggcg gctgggtttc tccagaaggc tcttggctgc ttccgcccct tccccattgg 360
cgttttctcg ggcttccttc cacagtcaag caagctcaaa ctcttgctc caacnttgcc 420
cgtgaagaat gtacacattg gcanccatgt ctgtgaactc ccangtcttt ttggccggcc 480
ttctctctcc tctgctttcg cttcttcttg caagcctgag cctcctgngc ttccggtcaa 540
gtccttgctc cttaagttna ataacggcaa cagccctcaa ggggggaaga aacagattga 600
ctcngccggc ccat 614

```

```

<210> 352
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA158795

```

```

<220>
<221> unsure
<222> (1)..(416)
<223> n = a or c or g or t

```

```

<400> 352
gggagactta actggtttaa ttgcttagcc ctggtgcctc agccacctct catctgtagg 60
gtgagactca agtccaggca ccaagacaca ccagcaccct caacaccatg cggggatcat 120
tggcctgaaa cttggccaga gaaagctcca gtccctgggc tgtaagagtg ggcgctggga 180
gtgtctgaag ccggcacgtg tcccctgcgt tgtcggccct tgcaggtgaa gtgtgtgtcg 240
ttccccact ttccccgaa tggcaccac ggctcctgc tggagcccct cccgggnccc 300
cctcagggag cagaactctg cgtgtgttgc gaggttcagg cttgggcaag gcttggaagt 360
tccagggtta ncacatatta aaaaattaat acttccatgc aattggtngg gtgggg 416

```

```

<210> 353
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<223> Genbank Accession No. AA159025

<400> 353

```
ttgatgtcta gaaacatctt ttatttgggt aacagggtccc aaaacagggtc agttaataaa 60
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattg cttttccccc ttgggctcct cgggtgtatt taaaaaaatg ttttggcagc 180
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctaggggtaca 240
gcagcagtag atggctgcaa caaccttcct cctaccccag ccagaaaaat atttctgccc 300
caccccagga tccgggacca aaataaagag caagcaggcc cccttcactg aggtgctggg 360
tagggctcag tgccacatta ctgtgctttg ag                                     392
```

<210> 354

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA159525

<400> 354

```
ggcagctcac tccaggttta tttcagggca gtttgggggt gggggacaaa gacccccctc 60
cagctcctaa actgggtcac ttttctccca ggtgaagggg accatcctca tgggatccta 120
tcgatgtgag agctttgtgt ccaccagggtg tggctgggtg caccaagggtg aagggtttga 180
gggctgcaca gggacccccca gcaactgggag tttggcctcc tccctcagac tggatgggtt 240
cccagggttg gaaaggggca ggtctccctc ctacagcttg gacttctcag agggaggagc 300
tgagtgtctc ctccctcaga cccgcagccc ctcaagggtg tgcgatctgt gccaccctct 360
ttgaccgggtc cctctgcctc cagactagcg gaacaaaatt acacctgaaa gtggaggagc 420
gggt                                     424
```

<210> 355

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA160775

<220>

<221> unsure

<222> (1)..(445)

<223> n = a or c or g or t

<400> 355

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ttttttttta cagacgcggg ctttattaac atttggtagt gagcacggcc cccagggatc 60
tgccgggntc ggggtcccgg gacgcaacgg ttaaacctgg ctgcgcactt agncaggccc 120
ttgggggaaa gcccgagacc tgaggngtgg cacggagcca cttccggcgg ctgtgggcgg 180
aaaacccaaa acttccgatg ggaccaagcc ttccgtggct tcacacgcac cggaaggga 240
gtctgggtca gccctccctc caaaggagac agcacggatc ctctttttng cataggcctt 300
gaggggaagt acttccgccc atattcaaga tggctgcccc gggcnttggg aacgggggtg 360
agtttcggga tgtggagcga aggtcactgg gagggggcgg nttccctgc ccagttccga 420
tccaccagga ctggaagact cgcgt                                     445
```

<210> 356

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA161043

<400> 356

```

acattgtaac aggtttatgc attttgaagt gccttctaca catccacca gaggetctgc 60
tgatttcact tatgccagg ctataaaatg cctttctctc atccccagc agagcactgg 120
gatcaccact aggcctaggg ggcatatcaa gggtttaata gactggggga atgggcaaca 180
gaactggcta ccttagaggc tctggaatgc cccccacca tccaccacc aatggaagga 240
aagtcaggca tcgctaaaag gagtgggtccc tatctagccc caagtctgga gcagaaaggg 300
caggteccatt ctggcccaag tgacattgtt aagatcctgt cccctcccc aatcactgct 360
gcttgccagg gtgcctcttc acagttccca tgtggcagca gtagtggcag aggcagaagt 420
ggacttattg ta 432

```

```

<210> 357
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA161292

```

```

<400> 357
gcaacaattc atctttatctt cttattttcc tctggagatg cagaatttgg tatattttcac 60
cccagggtata tttgggatag ttggctctc gctgggtcag gatggctggg tgctttctcc 120
cctggcatgg ttctcttctc tgcagggcga ggggcaggga gctagtagaa cctcgcaatg 180
acagccgcaa tggagacca atggagccca ggatgaactt ggtcaatccg gagagtccag 240
ttgctcccag tgactgcaga gtagccacaa ggtgcccag gaactccacc cccattggca 300
atggcgccgc ggacatcatc ttggctgcta tggaggacga ggcgattccc gccgcagtga 360
agccc 365

```

```

<210> 358
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA164252

```

```

<220>
<221> unsure
<222> (1)..(443)
<223> n = a or c or g or t

```

```

<400> 358
ttaaataatg cacttttatt tcttagcaaa actatttctt ccgtgagggt tatttacaac 60
agagaaaagga aagaaggggt caattcacag cgacttggag aggctggagg ggctcgtggg 120
aggcccgaag ggtatgacag acacacttca cacaattaac tggaaactgct ttttccggtt 180
tccgacgggg acgtccccag aggactttga tggggccggg gcgcngntgg caagggaact 240
cgacaaaacc acccgccctc ctggntgggc cccccgtca cccgcgggtg agctcttggg 300
agttcgggct caaggacccc ggaaggggng ttctggcagg tnccgacngc agccncgggg 360
gacaaggggc aagggccaan gggcagggcc gtggcgcatt naaaacaacc gagggggaat 420
cggncaatat cgaggggggg cgg 443

```

```

<210> 359
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA164586

```

```

<400> 359
ttttttttta gtttaattct ttatttgaac atcaaataagg ttgagaaaat tgtttacagg 60
tgctcgagca tcccgttggg ttctttttca aagtgcacaa gaggtttaca agtgtgtttc 120
attaaacaaa gcaaagctgc gacaaaaccg agtcacatca gtaatagtat gcatcggcaa 180

```



```

aagggcatat taatccatca aacacaattt ggcatttgag ccttttccca taaaacaaga 240
gctctacact gaagagtatg tagtgcacaa aaagcattgt ttatcacctg tgagagaaca 300
gaaactggca taatgtcact tattaattca agt 333

```

```

<210> 360
<211> 574
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA165526

```

```

<220>
<221> unsure
<222> (1)..(574)
<223> n = a or c or g or t

```

```

<400> 360
aataaattca aagtcttcat ggtgttcaga gtcatagtag tccatacgct tctttttctt 60
gttgtaagct gcaactcgaa agggaaactat ttccaaagtg attaaaccag gggccatcgt 120
cagcactttg gcaccatgac ttggctcata aagatccttc cctgtttctg gatgaggcat 180
gccagcaggg tctcgtccaa caatgtaaaa gttggctcct gcaaccatcc gtgctctgca 240
atgccactgg acctcagttg gtccagcata catcatggga gatgggaaga tggccaccac 300
tgtcgtctca ggattcagaa ctcccttcctc caacactgca gcatgctgct tccatacgcc 360
acatcaaagg aacatcgta tccctttgtcc agccacccag aggggaagng aggaggacag 420
ggcgccggta gcccctctct agaagttgct tatgggtatc ctgcattaac agggcatgtc 480
cattgtgcac tggggtgcgt agttgaaatg caaagacagc atcagcattc aaaccttnaa 540
tttctggttt agtcagtaa gaggtaaacg atnt 574

```

```

<210> 361
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA167550

```

```

<220>
<221> unsure
<222> (1)..(473)
<223> n = a or c or g or t

```

```

<400> 361
ggctggagtg cagtggcatg atcgtggctc actgcaacct ctacctcccg ggttcaagca 60
gttctcctgc ctcagcctcc caagtagctg ggactacagg cacttgccac cacaccgggc 120
taattttttt gtatttttag tagagacggg gtttcacat gttggccagg ctggtctcga 180
actcctgacc ttaggtgatt tgccggcctc ggctcccaa gtgctgggat tacaggcgtg 240
cacncacgcc tggccaaaaa cccttgcttt ttaacttoga ttgacactta acaaaaatcc 300
tccacatccc actttttgac agtttacatt aaagcctgtg gtctgaatat ttgttttact 360
tagaggggga cctttgggca acttatattg aaacacatct aacottcctg ggcttattcc 420
acagtatttt catagacctg tatatattag acatcacact tggcctcgtg cca 473

```

```

<210> 362
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA167565

```

```

<400> 362

```

```

tagaccacac caaaacatgt tttgtttaat gttgttaact tttgtgaatt tttgacccaa 60
gcaaactttg gttggtaaaa agtgcataag tggagggtggg gagggcagga agatcccaga 120
aaacctttgt cctcagaaaa gcaggtcagg ggcctggcac agtggctcat ggctgtaatc 180
ccagcacttt gggaggctga ggcttgca tcaacttgaaa tcaggagtcc gagaccagcc 240
tggccaacat ggagaaatcc cagttctatt aaaaacacaa aaattagccg gacatggtgg 300

```

<210> 363

<211> 629

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA167708

<220>

<221> unsure

<222> (1) .. (629)

<223> n = a or c or g or t

<400> 363

```

ttttaaagct tattagctca tttatcttgg aaacagtagt taaactgaat aaaaaccaag 60
gggcaatata actgctactg gttgagtcac acagtgatgt gtagtttgga aaagaagacg 120
aatgatagat attgagcccc tttaggaaat gttgccagta tttgaatttg gctttcatag 180
ttatctcttg cacacgaagt agagtaccat ggctgataac aagagggtcaa atgtacaagt 240
tgctctaata tggcctcaat gaggaccagc ttcaaaaccc gcttgctgat aattcaggta 300
ttcatggagg gtcaagactt caaagtcacg tacttcaagt accagtagag catctggtgt 360
tgctaaggga gtctgtcagt gtagggtgca tagaattggt ctctgggcta tatccattc 420
taggaatcac tggatattct ctggagtggg gggctgttaa tctagggttca cttgacacct 480
ctcagcaaat gatcattccg gggtaagac atgcctgtct ctgcactttc taagttcaca 540
cacagtattt ctaagaatgt tcagcatcta ctgaacatga acgtgctgag tggagggtcng 600
aaagttggat gccatcaggt caactattg 629

```

<210> 364

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA169837

<400> 364

```

tttttttttt tttcagcctt gacagcaaca ccctttattc agcaccagga atacccttcg 60
cacagaacca gcgagcttca cgtgctcagc ttccccgcgg aaatgctcac aggatgctgc 120
gggacccccg cgtgcccaca cgatctagtg gtggtgctgt ctgaactgga gccacagta 180
accgcatgtg ccggtttttg tttctttgtc caagtttata tacacttttg ggtggccaag 240
agctcccccg ccgccatcgc acgctatcac ccgagtctcc acctcgctca cgggctgctc 300
tgctatcaaa tcaatggcaa agttttcatt cactctttc tgacgac 347

```

<210> 365

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171529

<400> 365

```

tttttttttt tttcatcttt caatatcaca gtctttttaat gtcaatgaaa acaataattt 60
atgaattaaa acatcttttt aaacctgaca ggaaaatata taagcacaat ttctggataa 120
agaaaatgag gtgcagttct cagggtctta gtacttcatt ttaaacagta aacacagtac 180

```

caaccatcgt tttgattcca gtgaataaga agttaagatt aaatttatta atcaactttg 240
aagtcctgaaa ccgaaatgat cctttaacag cattgccaaa taaacaggtc agttctacaa 300
agctaatacat aatgccaaat tttgaccaa tgataaagtg gctctgttac catagtacca 360
gagtcctgtct ttttgttggg tttctgtttg ccataacaac caaggattga attac 415

<210> 366

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171694

<220>

<221> unsure

<222> (1)..(471)

<223> n = a or c or g or t

<400> 366

tttctatttt atttatttta ttttttattt ccttccctca taccttgccc attccctctg 60
aatattaggt gtgatgtcaa cagcatgtta gaaggatcaa tgggaaggca atgattgaaa 120
acatttcaat gaaccttaat agtggttcctt tgaggagcac ccaggagaat atctgggtcat 180
agatcttttt ttaaatgcag ttttataaaa ccctaacagc ggtgatataca ttagactgta 240
tgaatcagtt ttattacctt gtgtacaagt gtcagtcatt tatcattata tagtctgttg 300
atctttccat ttgcaaaaana ttaatatgtt tccccacacn atgtacaaag ttggtatgct 360
tccagtcctc ctttaaatggg ttatagtcatt tcccaaaggg aacattccaa ttttacactt 420
tcacatacat tggttaagga atcantgggg tttttccccc ttttttcccc t 471

<210> 367

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171760

<220>

<221> unsure

<222> (1)..(371)

<223> n = a or c or g or t

<400> 367

tcagccaatc acaaaaaaca gactttattg aagtatttag cactaaaccc cacacaattc 60
cagctctgta gctgaggaca cagccacttg gcaatggcac caggtgttat acaagaccaa 120
taagttaatg taaaggacgc ttaggtgtgg agggccagt ctcagccgct tcctgggtca 180
gaacaaggca ctctgggctc cagttaggac actgagaggc cagggaaacc aacatgccct 240
ggagaaaggg gcttagagac aaaccggaaa agcacagcat ccaagcaggg tattcacgca 300
tggggggcag agtaggccca aaagttgggg gttgcctgat gcggaagag cacagttgag 360
agnaattncc a 371

<210> 368

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171939

<220>

<221> unsure

<222> (1)..(298)

<223> n = a or c or g or t

<400> 368

```
ttttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacagggt 60
ggaccggcca gctgacagtg cggcctcaga caccctcgcc aggttccctc ctccctctc 120
tctcagggtc accagtgtgt gaaagatcgg ggcattgccg ccacaggggg aagcaggggt 180
caggctgccc cacctgggtc tggccctggc aggcgcccc tcacctggct ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tctgtctgcc ccgggggggtc agcnagca 298
```

<210> 369

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA172076

<400> 369

```
tcttattcag tctccgtaga gactgtcaaa aattgccagc gctgattata tttcaagtca 60
tcacgggtggg gtattgggaa aatttccaat tagcaataat cgcgtctcgg ataaatctca 120
ttggctacgg tactgccact gtgcaaagct agcttgacgt aggactttga tggatcatgta 180
taacacctca caggggcaga acctcctcca tccccgactc caaagactca tgtaatcagt 240
acgcaagaaa gttagagat gagacctctg gttgtattcc acctttggga catgggggat 300
gtcttttagtt caaagtcaca aataaatgca gttctacaa ttcagaggct tcatatccct 360
gctggagtat tacatgttta ttcaggatgg accacttttc ttagcaacag tttctaaacc 420
tttg 424
```

<210> 370

<211> 201

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA172372

<400> 370

```
tttttttagt ctgaaaaaca taatctctat aatcatttaa tttttctttt tggaaaatgt 60
atgtatacat acacacagtt tccataaaaa aacatagata gtaaagctga ttaaaatctt 120
cctgtcctat tggtagcagc acatgaagcc cttctacaaa attcctgacg gactgggaat 180
aaaaattcct agtgacagcc c 201
```

<210> 371

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173430

<220>

<221> unsure

<222> (1)..(374)

<223> n = a or c or g or t

<400> 371

```
ttaagacaaa cataaccttt attctctctc aaaaaccagc agaacagggc ctggaaccat 60
attcgtaaat ttaaccagaa tcagaatact ttaactttca tagtctcatt taaaatttta 120
tagcaatata ctgaccattc taaaaataac aaaatacatg ttgctctcaa ctacatagtt 180
aaaaaaggta gtaaattctc ttacccaaaa tagaggaggg gtgggctagt gagctgctca 240
aacatttgta acaaataaaa atgtatctat atacatataa tgatcatgtt ttcatagcct 300
aaaatcacca ttaacaaaat ctaataataa aattgtgtcg tgttcaggag ttgggaagcc 360
```

aacacattaa attn

374

<210> 372

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173505

<400> 372

```
ttgggattgt agcagacata ttttcgagaa gatcctgata cccaatgtc cttctttgac 60
tttgtggttg atcctcattc tttcccccg t acagtggaaa acatctttca tgtttccttc 120
attatacggg atgggttttgc aagaataaga cttgaccaag accgactgcc agtaatagag 180
cctgttagta ttaatgaaga aaatgaggga tttgaacata acacacaagt tagaaatcaa 240
ggaattatag ctttgagtta ccgtgactgg gaggagattg tgaagacctt tgagatttca 300
gagcctgtga ttactccaag tcagaggcag cagaagccaa 340
```

<210> 373

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173597

<220>

<221> unsure

<222> (1)..(436)

<223> n = a or c or g or t

<400> 373

```
ctggctgaag catccccctt gagtgccatg tataagttgg gctattagag ttcattggaac 60
atagaacaac catgaatgag tggcatgatc cgtgcttaat gatcaagtgt tacttatcta 120
ataatcctct agaaagaacc ctgttagatc ttggtttgtg ataaaaatat aaagacagaa 180
gacatgagga aaaacaaaag gtttgaggaa atcaggcata tgactttata cttaacatca 240
gatcttttct ataatacctt actactttgg ttttcctagc tccataccac acacctaaac 300
ctgtattatg aattacatat tacaaaagtca taaatgtgcc atatggatat accagtacat 360
tcctaagttg gaatccggtt acctcctgcc tagaatttta ggtgtgagat tttttgggttc 420
ccaggtatag caggcn 436
```

<210> 374

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173755

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 374

```
at ttgagaac atttttaata aataatgtga caaaattact tttctgatta ttggattttc 60
agtatgcaaa attatggcta aaaataagg gcttcttaca tgaacataat gaaaacatta 120
atcacatgga ttgttccctt agtactgcac gccttttcta tggaactttt tcaaattatc 180
taaatagaaca agtttggttt tggatgaacac cagccttttt ttttgtggnt cagttttgtt 240
tggctttgtt ttccactggg gtcagacctg atacttatct atctatgaat aaatgtacat 300
ttttttcttc aaatagcacc aattataaaa tcaatgatat tcntaaaatg acaaaaaag 360
```


<220>
<223> Genbank Accession No. AA179298

<400> 378
tttttcaactt tacaagaagt tcactcttat tcatggaggc atcatgctga caggactgga 60
tccaaggaaa atgctagtga ctttcccaac ttcatteccc aatcaaagag gacagtttct 120
ggtttgccac tggtagagttt gttacacgac taaagttcaa ataaaaaaat aaaaacccaaa 180
atcttggcag ggaagctaga gccagaatca ggaaaatctg cttccttgtc ccagactcc 240
ctggccaagc ccagctccac taactcatct tgactcgatc aagttcctca tcaagacttg 300
catctgtacc ctggacatct ctgctgctcc cactggagag tgagtctgga gtccctggca 360
ctggggcttt ggtgagggct ccatatacac ccatggcctg agcaccatgc tggtagacatc 420
gccaggggtg gagggcagta ggatagtgtt ggagtccttg gccagtttgg gagaacgcgc 480
tgacatactg ctcgggcaca gtcagtgaag ctgctgcatc t 521

<210> 379
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA179387

<220>
<221> unsure
<222> (1) .. (366)
<223> n = a or c or g or t

<400> 379
ttaaggattt acttttctta acaagtgaac aatttgcttc taagcgtcaa tgaaaggcaa 60
cacctccctc taatggccaa aggaagagag tggcagtaag ctggcttttc caatgtgnca 120
cacaatccct ncnggcnatt aagttctcct tgttggaaaa gaaattaggt tgttttgata 180
acttagaaaa gttagtttta gacaacagtg actttcagct acaaatacaa aatcaaatac 240
atgtatatna ggcttctgta atcgatgtct tagaggaaca tctgctcatt ttctncaagc 300
cccagtccta taaatcaagg caagtcaagt aattaaagct tcaactattt tgggcagctt 360
tgcaat 366

<210> 380
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA179787

<400> 380
tttttttttt tttttttttt tgggtgggcag gatcaccaga aagcttttat ttttaaccag 60
ggccagggag gcgaagcttc aatcctgctg cttgggttcg gaggcctctg cattggcccc 120
gagcacagcc cctggggatg gatacggccg ctgctggaag aggggcccag ctgctgtggt 180
gtcagcgcca gtcttggcct cattecgctt ggggagtcct gttgaccacg tgccccgggg 240
ggttcttgag tatgagctag ggtccatggg gtctaaactc tcatccttct ggcttactgc 300
cttcttgctc ttgggatatg gagccagctc ctcccggcga tgggtggcgcc gttcttttgc 360
ctcttcccgg totgccttgt catacccgcg gtcccgatcc cgttccctgt ctagctctct 420
ctctctgtc 429

<210> 381
<211> 444
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA179845

<220>

<221> unsure

<222> (1) .. (444)

<223> n = a or c or g or t

<400> 381

```
tgaacaataa tatctttaat ataactgttt ttgtgtgcat agaaatcata taagtaaata 60
aaaaaaaaaaca acaacatgag attacatagg tggttataat acaaaaagtga gaaaaaagct 120
agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaaagaga 180
cctattttctt caggagagta gctgacccac ctcagggcca tgactgctct tctctttccc 240
cacagcctta gtactttttg ccaaaaggcc cagatttgag taaaggggaa cgccgtgagc 300
gtaaggatcc gggcataagg gctgcagtct gttgagcttt ggcaggttgg tgttcgggga 360
agtaaatttc ngaaggaatg ggttcctncc ctgntggggtt gttggtttgg ttgctgattt 420
tcenggttgg gtaccaaggc gcta                                     444
```

<210> 382

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA180356

<220>

<221> unsure

<222> (1) .. (241)

<223> n = a or c or g or t

<400> 382

```
aaaaaatatt tgattcaagt gcttatcctc ttttaagtca atgaagtaga gctctttttt 60
atagacatca catacacgac acatatttaa ctacacaagc agaagaaaat gcagtagctg 120
tgaaattttt cgtctgccaa tctcctaatt ggattattgg cttccgggtg ttgcctttta 180
agagacaggg ccagaaaaac atgcagcttt ttaaggccta ataaaatagg gcatgantgg 240
ggnnggcaaaa                                     250
```

<210> 383

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181580

<400> 383

```
taaataagta actccattgt ttttctcttt tccaagatgg ccgatgttat ggttttctac 60
gaagtcagtg cttacttagc tcaactaacag cgctgctgtt ggcggctgcg gctgctgctg 120
tggcaggatt ttcaatgtgg tgtgttttca agcctcactc actcatcctc tcattcccaa 180
acattcagca tccgtgcaca ctccctcactt ccagggtttt caaaagatgg gagatttcca 240
gtgggggtcc tcaggttatc atcccaatgg taacagatca agcttggttc ttcagtttcc 300
tcagttcttt tgttgcccac gtagcaaggg tttttgcttt gttagtcctc gatctccgcc 360
cttcagttaa caattcatgg atcattggcc tagcttctac taatttcagt acatccttcc 420
caaatgctgt a                                     431
```

<210> 384

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181600

<220>

<221> unsure

<222> (1)..(408)

<223> n = a or c or g or t

<400> 384

```
tatttttaac ataaaagttc tattttcttg tgaggcagca acaagtgttc aggtacaggg 60
aatacataag tacagcgtaa caataccgat taccattgga aatgctgttt ttgagagaa 120
ttgttagaat aacaaaatgt tttaaattgc attttaaaaa gagttacaca gcttccacag 180
agacaaaaaa tgaagagtta aaaaaattct attcttaaac aagactgtat aaacaaaatg 240
ctgttcaggg ctgctctgct catcttcaat ttggtcagag tagaacttaa agtgcaggag 300
ttaagcattc ttaggcttta ttttgcaaat tccggccctt ccactcatcc gggttttggg 360
gccctcaaan ttcccaangc cttggggntg gatcttaggt ttncatg 408
```

<210> 385

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181705

<220>

<221> unsure

<222> (1)..(401)

<223> n = a or c or g or t

<400> 385

```
aagataacca acaattactt taattcataa atgtatatac atagattaca taaagaaatt 60
aagtacacat gttgcatttt aaaaatgtgt ctagcagggt attgtacaaa attaaaatga 120
atttaagaat acatttttaac atttttaaaa ttagttaatc atatatattat ttatctatnt 180
tattttattta tntttgagac agagttttac tcttggtgcc caggctggag tgcaatggtg 240
tgatggtggc tcaccacaac ctctgcctcc caggttcaag tgattctcct gcttcagcct 300
cccgagtagc tgggtttgca gacatgcacc accatgaccg ggctaatttt gtatttttag 360
tagagacggg gtttctccat gttggtcagg ctggtcggaa c 401
```

<210> 386

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182001

<400> 386

```
tttttttttt tcagcttaaa ataaatttat tgtgcaatac aaaatgtagg catactggaa 60
aataaaggta cattattaaa tatacaaagc aaatgaaagc taaacaacac aaatgttttc 120
atccaaacac taagataaaa tgcacaac 148
```

<210> 387

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182030

<220>

<221> unsure

<222> (1)..(479)
<223> n = a or c or g or t

<400> 387
atcatcataa aaaatatttta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
acaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta 120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180
atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt 240
tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatctttggt 300
aaatacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360
accaataacc tactgccaac tgttttggtg taatccagaa atgcatgagc cggactccca 420
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 388
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA182568

<400> 388
ttagaaatca gggtttttttt tatttaatac attctaatac aatagtaaca gcagtaaata 60
aacactttga aaaacaggca ggtatcccc tgtatctgga agaaaattaa gtcaaagtat 120
tctacacagt agaagggaga caactgttta tgtccatggt tagacaattc aaggacaact 180
tggaattttc taaagccatt tccaaaaaat caatggcaac aggttgggac acagctattt 240
caaagggtag aatgcctata cctacattgg tttttattaa cggggattga gttgcacctg 300
tatagcatga tattcttgtc ttttagcttta aaggaaaaga gaaagtcttt tccatttgca 360
ccagtttgaa atatttctga aataaggctc ccatagaatg g 401

<210> 389
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA187437

<220>
<221> unsure
<222> (1)..(458)
<223> n = a or c or g or t

<400> 389
tttttatctt tatgtttata aatttatttta atttccaaga cttatgtgtt catctcaatc 60
cttgacatac tcatctgcca gacacaaaaa atagtgggtct atttaagagg ccttaatgaa 120
tgacaacatt tttgaaatat gctatatgag tacaatatatt tccagagcaa agagggaaaa 180
ctggtgattg ggtagacaat caaattccaa gcatttatct gatttacaga agtacatcta 240
ctttttgttt ttcactaaat gaatacaacc acttttaata tatatgtggg tgtggctgtg 300
tgcgtatttc aaaacacaca cgcacacaca ataaaagaaa catttcatag tggcaaaatt 360
ttagtgcact gccaaagtgc tacaataact gtcattccaca gacatccaca tgcnaacact 420
actggactag tacactagag ccaataagga gngtatatt 458

<210> 390
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA187579

<220>
 <221> unsure
 <222> (1)..(549)
 <223> n = a or c or g or t

<400> 390
 ggccttcttc gtgtgagggg atctgccgga cccctgcaaa ttcaatttct ttcccattcc 60
 gggcccttcc ctatcgctgc ccccttcacc ttggatcatg ttcaagaaat ttgatgaaaa 120
 agaaaatgtg tccaactgca tccagttgaa aacttcagtt attaagggtg ttaagaatca 180
 attgatagag caatttccag gtattgaacc atggcttaat caaatcatgc ctaagaaaga 240
 tcctgtcaaa atagtccgat gccatgaaca tatagaaatc cttacagtaa atggagaatt 300
 actctttttt aagacaaaaga gaagggcctt tttatccaac cctaagatta cttcacaaat 360
 atccttttat cctgccacac cagcagggtg ataaaggagc catcaaattt gtactcagtg 420
 gagcaaatat catgtgtcca ggcttaactt ctcctggagc taagctttac cctgctgcag 480
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 gaagatgtg 549

<210> 391
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA187938

<220>
 <221> unsure
 <222> (1)..(428)
 <223> n = a or c or g or t

<400> 391
 aatgggttaa aagatacggg gaggagtgtg ttgagagagg tggagaaaag gagcttccag 60
 tcaatgcatt caccatatct gaaaatactt cagttataca aagggaacac ttcgagagta 120
 aggatatatt ataaataagt ctctcagcaa gatgaacgga tgaacagttc aattgcaccc 180
 acaggagaga ggtcttcttg gagaatgctt gtttatagaa tcttctgtaa aatagagttg 240
 gctacttcta atgattcatc ttgtactaaa acaatatcat aagagtccat gtacttttct 300
 aaaagctcat ccactctatc atttagatat ccaattttca gaatgtgctc aacattggcc 360
 actccatctg ccattcttaa gtctccttgg gagtctcccc agaagaatta tgttacnatt 420
 ggccttta 428

<210> 392
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA188378

<220>
 <221> unsure
 <222> (1)..(282)
 <223> n = a or c or g or t

<400> 392
 tttttttttt ttcaagagta taatattttt tatttactga taaactaaaa gccaatctct 60
 tggatattct catgtatact tcatttattt tattaataag caaagccctg taaggggagc 120
 ctttgcctag tcctccgact cngattcatc ttcatcttga ctaatctgga agtaacgaag 180
 ttcgtaggtc tccttgtcag atgcaaccac tcgaagccaa tcacgaagat tgttcttctt 240
 aaggatattc ttggtaaggt atttcaaata ctttttagag aa 282

<210> 393

<211> 385
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA188921

<220>
<221> unsure
<222> (1)..(385)
<223> n = a or c or g or t

<400> 393
gggacaggggt tttaaccaca aataggagca gcatgaattc ctagtgactt gctgcacagt 60
attgtatcat aattacagga agttttttatt tttaaaactg gatctgggggt atattcattt 120
gccccatcac ctctgtctaa aggcccaagt cctagggctg ccatgggtcac aagcacacct 180
gatgctcctt aagattgttt atctggagcc cacatagtgt ggaacaaaaa gtcaccctag 240
aaagcatcct tggatcatcat tgtctccttc ccaccctggc ccagagatgc ttaaatacaa 300
gttgtttctc nagctgtcac ctccccagg agatcaggat tccactgacg tcctgggcag 360
ccagtgaatt taattttcca tgaga 385

<210> 394
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA189015

<400> 394
ccagtgtact atttatttcc tcaagtgcct ccatggggga aaaaataaaa gtctaataatg 60
ccagagaaat catcattgaa ccaataagac acagtaacat aattctagta acctacttct 120
caatgaacac acatctgaga aaaaaaccgc cagtatttta ttctcatgga aaaacagaac 180
aaaccacaa gttggagtca cggagataaa atacagatga aatggaaaac ggtctgttgt 240
catgaactct cactttcaa taccatttta tatggaagt actttactgc ggggcaaaca 300
gaaggccatg ctggagtctc ttacttttgg aaaatggaga atcaaaaatt tgctaataca 360
caaacaaaaa aggagggaaa ctcttttgg aaagctctac aaacataatt atacatt 417

<210> 395
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA190816

<220>
<221> unsure
<222> (1)..(478)
<223> n = a or c or g or t

<400> 395
ttactttcac atatttttatt tcatttttaat ctcaaaacag ccttgtcctg attcccccta 60
tgattctgca atgatttggc tcattgttca gaaatctaga tcccagtgcc ccgagtcaag 120
tggggctggc ttgaacaaaa ggtactctgg aaccccaggg gagggccggg agaaaagaag 180
ggcagccagc atgtatagag ttgtggagtg gaggagattg cccagttctc caaggtccag 240
ctgactaaag cacctgcccc tagtccactt ggcctatgcc aggaagtcag caagctttct 300
tgagagaaggc agaaaataag gccattncaa aaggaaacna cccatggcta atgggtccca 360
ggtaaaaact cntatgggat acctggaaan tttggaattt tcanggttaa tttttcccc 420
cttggaana aaaacccnt cccttttggg aatttttttt canccccctt tacaaaaan 478

<210> 396
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA191014

<400> 396
 ttttttttgct tgctctgatt caggcacttt caagatcatt gtttatttat tacttcagat 60
 aaaaagatag tatacatatt aggggaatccc ttaaaattca actctagagt tatacaccat 120
 ctagtacttt tgcaatgaat gttaacaaca acaaaaaaaaa tctctaaaca cctgaaagcc 180
 ccactattaa catggactat ggtaataaaa aattttgaca tttaatttgt tcaacatata 240
 gtattttacat tatgaaacca atgggtgatga tacaataaag tgataaagaa atagtaaaaa 300
 taaactttta aaagcaaagg tttatagtct gacaatgcta attatcctaa ttgtatat 358

<210> 397
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA191310

<220>
 <221> unsure
 <222> (1)..(391)
 <223> n = a or c or g or t

<400> 397
 aattcaggaa aatgtggcct tcattacggg caaatctcaa catgtctccc gaagagttaa 60
 taaaataagt tattctaaac atgtacattt agctttggaa tgatggagag acacagagat 120
 atatgtaaac gtcaagagaa tcactccact ccacgtctgg gtccacaccc ttccaggcct 180
 tgtctggaac attatgtggc tgggtgectga ttccacagtg aggatgcagg agcccagggtg 240
 gtgatggata aagcattagg agacaatcaa gtgtcaggaa ttgggtcaata agaacggcct 300
 aaataatgat ttaacaagga agaccgagta aaaaacaatc ccatttcac tttagaaaga 360
 attaangtca ctaaattggat ttcttctaaa g 391

<210> 398
 <211> 521
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA191488

<400> 398
 tgagatggag tttcactctt gtcacccagg ctggagtgca atggcgccat cttggctcac 60
 tgcaacctcc gcctcctagg ttcaagtgat tctcctgcct cagccttctg agtagctggg 120
 attacaggcg cccaccacca tgcccggcta atttttgtat ttttagtaga gacgggggtt 180
 ccccatgttg gccagactgg tctcgaactc ctgtcctcag gtgatccagc ctgccttggc 240
 ccccaaagtg ctgggattac aggcattggc cactgtgtcc ggccctggac cttattttct 300
 aatgttaagt ttgagttctg gggttagttg ggcaagaatt tccctcagct gccatcaatc 360
 ctggctgaag ttaaccctt tccatcactg acccaggga aaaaaccacc aaatttactt 420
 actatctgtt aaaaattcaa aaaggaagca gatgatcaag tcattgaaca aaaagctaca 480
 tggattagac aagaacatat aacttggtc taagatgatg g 521

<210> 399
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA191647

<220>
<221> unsure
<222> (1)..(579)
<223> n = a or c or g or t

<400> 399
atgcttccag tcttctttta atgtttatag tcattccaaa gtaacattct attttacact 60
ttcacatata ttgttatgaa tcattgggtt ttctcttttt tccacttatc accaatttat 120
ttcattcagc cagatttggg gtctatagaa aaagaaattt taagaccatt attaaaaata 180
atatatgggt agaaattagt agatgggttct ttaaagtgtat tccaattttt aatgttactt 240
tactcctgat tcatatttat ttttctgctt tttatatgtt taaaaatctc tcattctatt 300
gctgctttat ttaaagaaaag attactttct tccctacaag atcttattaa ttgtaaaggg 360
aaaatgaata acttacaatg gagacacctg gcagacacca tcttaaccaa gctgaagtta 420
acataaccag taatagaact gatccatata tgtgcctcct gatatgggtg actaagaaaa 480
acacacatca ggccctgaagt ctgcaaaggt gctaaccaaa tctaattctag gaacttggnc 540
aactcnatgg aggacttcta caagtgcggg attanggat 579

<210> 400
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA191708

<220>
<221> unsure
<222> (1)..(629)
<223> n = a or c or g or t

<400> 400
ttcttttaaaa tacatacgaa gtgtaaagag aaaatggcca aaacctcaaa actaccattg 60
ttgaaaacaa tattaaaagg acacaatcta aaatcatgct acaaaaaatag tggtatcttg 120
tttaactaaa tgtacatctt tttttccaat tccatgattg acaagagtgc ttatgcgacg 180
catggaaggc accagaggtg aagtgattat ttgccttaaa atatacaaag aattgcctac 240
tttgaaaaaa aaatagtcac acttgtaaat aaatagttaa gtgtttctgc catgggttcc 300
tgaaccctta caaatttcaa catatacaaa tagtttcaat tcctaccatt ctcttagagg 360
gaaccacgtc aaacaaaatc aagttaggaa aagcactgat tttatccaag taggtcaatt 420
tgaggcaaga ttcaaaaact cttttaaaat gggttacgag tgaaagagtt ggggaacaggc 480
agcccccttg ggcctgggtc agcctacgag tccatcccgg tgtcctgccc tcacatctgc 540
cagccctcag gccggccagg tctccttcna accctgagta ttgccttcct cacttctgcy 600
aagagggggac agaattctgaa gctgcnaat 629

<210> 401
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA192755

<220>
<221> unsure
<222> (1)..(518)
<223> n = a or c or g or t

<400> 401

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ttaagttttg tcaaaagttt aataaattcg caacattcga cagttcnccc tccctcgccc 60
ccgccccccg ccccaagtcctc tggctcctcc tagtagatac gcgttttttt ccagctcttg 120
caagcggggc ctgaaaggtt tcgggtcccg gctgctctgg gcanaggat ccgaggcccc 180
aggctgggga agggggcgag aaccagtcctc ttcccgaag ccccgtcgag ctcaggcggg 240
ccttcctacc cctcctctcc cagcagtcctc gttgctttcg cccccctccc caaactccac 300
tgggccccgc cagaatgggg tgtgggtgtc tcccgttgc aggcgccccg acacctaaat 360
ttcctctaga aagtcggtgg gaaacagccc caccttgagg ccggtgtaga ccttgacgta 420
gccgcccgtc tcgtctcctt tctgcaccac gatctggtcc ttcttgagag tgatctgccc 480
tatctcgcgg ttccncacga aggatctcgt cacgcggt 518

```

<210> 402

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193204

<400> 402

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tgaccatttt taaatatcat gatttttttc tttctgatcc cacattttga cgtgtcaaag 60
cttagagcag gaagtaggaa tccacacttt cacggagggg gaccagcctg ccatgtcgtc 120
cccaggctca cagcagcggc ggctactctg ctggtgggtt ggtggcagg ggagatggtg 180
acggcgcat ggaaaccgta agcatgacaa cgggaggccc gcgggggtgt tcaggcgcg 240
tgaccagggt catggctggc aggcggcctc tacagaagga gggaagcgca attcacagcc 300
tcttgacgta attttcggg gaaagtacca aagaatttgg ttcttcttga ggtccccaca 360
aaccagccgt catcacactt ttc 383

```

<210> 403

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193223

<400> 403

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taaccaggag aaataacttt atttggactg agagctggag aacaagaata ggacctgaga 60
tagcactact ggctaaggag gagaggtaag gttccaaaat ggcaagtcaa gctcatcgac 120
caaacagact ctacttccca gcaaccttgc agttagtgc accaacaaaa ggctgctgg 180
ggaatgtatt ttccactaaa tcccccaagt atgccaacat tacaaaaaaa gatagagggt 240
tttcatcata 250

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<210> 404

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193297

<220>

<221> unsure

<222> (1) .. (523)

<223> n = a or c or g or t

<400> 404

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caaatatgta tatgctggag gaatttgcct acttgagaac tcaggaagg gggaaaattc 60
atctggaatt actaccat caaggaatgc tgatcaagca ccacactgta actcgaggca 120
tcaccaaagg cgtgaaggag gactttcgcc tggccatgga gcgccagggt tcccgtgtg 180
gagagaatct gatgggtggt ctgcacaggt tctgcattaa tgagaagatc ttgctccttc 240
agactctgac ctgagtggag acctttccac cagacacagc tcgggcctgt gtaattgtag 300

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gagaagacac tcagcagtga ttgccatgga cagagccgtg gtcattgttg ctgttacaaa 360
gaagaaaacc atctgagttc taactccttg gttgcttaaa agtagttccc aagaagtctg 420
agaagctatt tccaattttt taagagtcac ttttttgtaa ttttttgtaa aacccaaaagt 480
accaatcctg ttttgtaaat naaaaatcat cctaaaaaatt ccg 523

<210> 405
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA193671

<400> 405
tttttttttag acttgtaaaa caattttaat gtttactcaa aataaatgag atgtcatcat 60
tagcccttat ctctcacact tgaaaaatgg agacagttgt tcagaataga aagggaaaca 120
gctattagag tttaagctca agtttcaaga agaattcaga taaggcagggt aaaaactcta 180
gatacttttc cactgtccaa catcaccaa tattaatttc cacatacctc tttatttcat 240
aaaaatataa atatttatta gaaatagtat gtttaagatt agtttttctt tctaaataac 300
at 302

<210> 406
<211> 75
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194075

<400> 406
tcagaagcca cttatacaga gcctccttct cacaattctc atcacacaca cactctgcaa 60
agcttgtgca gggct 75

<210> 407
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194146

<220>
<221> unsure
<222> (1)..(619)
<223> n = a or c or g or t

<400> 407
accaaagaca tttagagaag tgaattgagt caggggtgatg gtgaacacta catattttat 60
agatgggttaa gttgagaatt aattatgttt atcatggatg gctactaata ccaagctcat 120
gattgttgca gcctcaacgt cttaggcagt aaaacttgtc tgcagcacta aagggggaga 180
aacccttata ttttgcaaac tgtccattcg ttaaatttat tgtaacctaa taccaaaaaac 240
tgccgttttt catattattt cccacacctc tacttttttt tntttttttg ctacttgtaa 300
aataacccct tctagaaaat aagcattaac tggaatgttt caaacaattt tgcttcattt 360
tactatcagc cactagttaa ctcttacaga gatgtacatt taagataaaa ttagcttgtg 420
ctaagtgttt taaaaacatt gtttactgnt aaagggggaa ttgcacatta atattnaact 480
gggattgctc cctccctcag ttccttaaaa accagagtca aggctccac caacttgtag 540
gctgtgggag ctttgccata ggtagatcca tggngaagta acctttttta gcatgaagaa 600
gccagggacc tccttatat 619

<210> 408
<211> 139

<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA194237

<400> 408

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tttgaattat gacagaaatc tttattaaaa tgtgtctttc agtaatatgt ttagcattca 60
atatacacac atacatatgt acactctttg acacacctca tggattgctg ccatcagttt 120
aactaataaa ttaaaacta                                     139
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<210> 409

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA194724

<220>

<221> unsure

<222> (1)..(520)

<223> n = a or c or g or t

<400> 409

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ccatnattnn nnacctttaa tactctncng tntncacacn cccacagtnt nantgggctc 60
cncctcact tantgnccgc cgtnatggcc ttgannttgc ctgcccgcgc cagnatgttt 120
ggcacaaaga gcagccccga agcccgtcga atgctctcga tgggcaccag gaagcgctcc 180
agtgggatgg cctcatccac aggtgcgttg ggcacacgt aggtgcggan tcaatttgcc 240
cacctgctgc ctccaggatc agcaccttga agaagtgtgt gggcactgca cgtggttctt 300
gccgatgacc tgggtacttta cgtaggattt cccatcagcc tctggtcctg tggggcagac 360
ccaggcacac gtgggcaggg ggccctgggat gaacccaaag ccacctcttc caggcagcct 420
tccccgatct gtcccccaan ttctgggtcaa cctggcanga ccangccctc actgggaaaa 480
cttctngaag cntgcttggg tcttccttga aggtggaaa 520
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<210> 410

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA194730

<400> 410

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tcaattcagg tgactgtttg atattttcat aacattttct ttaacattta atagaaaacta 60
tatacaataa atttttacta tattttacat aagatagcaa ccacagaaat ttacataggt 120
taaaagcaag acggataagg aggaccctgt cctgttt 157
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<210> 411

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA194833

<220>

<221> unsure

<222> (1)..(292)

<223> n = a or c or g or t

<400> 411
ggattttacca acacgtaggc ttttatttct tcccattaca tctgttttagc cacagaaagc 60
attggggccat actcactgca gaagataaga cttcctcaga atcttattcg tttagtgcac 120
tcaatttttac ttcactgtct catcacttga gagactgggtt aaggcaagaa acccatttct 180
taacatttttt tttatttttca aacatttgaa aagcaacacc aaaacgtatg cagttaattc 240
ctcaattctt tcccttagna tagcactttt taaattacaa aaccacactt ac 292

<210> 412
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194997

<220>
<221> unsure
<222> (1) .. (362)
<223> n = a or c or g or t

<400> 412
gtctctcaga gaattattta atantagaat taccatantt ntggcgcaaa tgtgnccaac 60
accaatgtga caagtacata tatcngaate antctttcct cagagaatca caccttccct 120
tggtctctgct gtggatccaa atcaagcctg ggtgtgtcng acaataccag ggcacgggtt 180
gcttcnccggc cctccatctc tactgttttg ctacagcttg agttcactag gcacgcggctc 240
ccctctcagg ccagccagca agttgttagc tgccaacaag gacatgggtg tgcgggttct 300
gtgggtggca ctgcaatgtn gggcagaatc acacagttct tcagggtcag gagaggggtg 360
tt 362

<210> 413
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194998

<400> 413
aactttaaga gatttttttt aatgaaggaa caaatcaaaa tgggtcagaa aaatcagatg 60
gagtggatac acaaataaaa tacatgttaa tgcttaacac attgaatata aattttcttt 120
atactaaaga ctttaaaatg tccatgtgtt aattttcttt ggaggtggaa aaatagtttg 180
tccaaaaaga cacttttcac agttgaagga acttgaaagt tctgtcccag tgagtcctaa 240
tggttttatt tcaggcagca gattcattgt caaatatctt actttttaag gtctgtaggt 300
tatgctgaat aaaattctct gcaccatgaa cttcagagaa tctgaagtca cttctcctga 360
cagaccagtt tttcattttt attgaattct gaattgtgtc cgatgtaaag tagtaaaacta 420
taggggtcaaa acaacagttg gaaacagcaa tacagagagt gattgggtac attgtcctta 480
ctgctgccac tactgagcaa ttaacaaatg tttgtgttct cacaagagaa tataaaataa 540
gattgatacc tcgtgc 556

<210> 414
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA195067

<400> 414
tttttttttt tttacttttt aagctttttt attcttgaaa agttcaaaga tatacaaaga 60
tagactatgc aggataatga gccccacat actccgcatc tcttgtct 108

<210> 415
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA195179

<220>
 <221> unsure
 <222> (1)..(402)
 <223> n = a or c or g or t

<400> 415
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 tatgtctcag ttcagccgtt gaacacatag gaatgtctgt ggggtgactc tactgtgctt 120
 tatcttttaa cattaagtgc ctttggttca gaggggcagt cataagctct gtttccccct 180
 ctccccaag ctttcagcga nacgtgaaat gtgcgctaaa cggggaaaacc tgtttaattc 240
 tagatatagg gaaaaaggaa cgaggacctt gaatgagcta tattcagggt atccgggtatt 300
 ttgtaatagg gaataggaaa ccttggttggc tgtggaatat ccgatgcttt gaatcatgca 360
 ctgtgttgaa taaacgtatc tgctaaatca ggaaaaaaaa aaaaaaaaaa a 411

<210> 416
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA195463

<220>
 <221> unsure
 <222> (1)..(790)
 <223> n = a or c or g or t

<400> 416
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 tcaaagtgtca ttatgttata taagggttaa cttactttta acaaaaatgt aacatagtgt 120
 taaaactggc tttccaaaac agtcacagca tagctgtact ctgtactaat aatcacaaaa 180
 ttgtaatata gaactctgtt atgcagtcctt attatgttct tacaaaaata gaattaaact 240
 gtgtgaccag acaaggactt caattacact acttggtcaa cttagaattt cagtggagtc 300
 ttttctctct gcagttttaa gcaaaagtnc aaatatcaca tcttttcaag actcacaaag 360
 atgattcagg ttgtttgttt gggctgtttt taatctcatc acaacggagg gatgttttcg 420
 ctttagtcct ccgggcttct tcccagattg ttactaagtt ntaaacaga aatgctaact 480
 gcggggtctt tcggcatccc ttncggaagg gggctgtggt agtgtccac aacattggnt 540
 tcaaagcaca cngggttcgg cggcagtttc acangaacta cacctggatt taggaggcca 600
 acactagcaa atttcaggcc gaatggtagt aggcgtggaa ttcccgtgat tatggaaaaa 660
 acgtccttta atgggttttag gccanccccc aggtatggaa gttnggattt ttcccatttt 720
 atgtggaggc agtnggaaat ggattccggc tttccagaaa gtttgnccaa acatggtaat 780
 tcctggaact 790

<210> 417
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA195515

<220>
 <221> unsure

<222> (1)..(395)

<223> n = a or c or g or t

<400> 417

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nnctttatca tactatTTTT aatgcatgaa ataaaaatgg tttatatgta catagaatac 60
acacacacac acacccttag gtcaatttct taggtctcag ttgtgggttaa attcactttt 120
aaatacaagg ttccaagtat ccaagttgcc aggccagttg cctgtacctg gaacagcctt 180
tccaccgaat aagaagagtc cctacttaaa cagcttaagc taatttccat canacnattt 240
atcncagtc t aattaccagt ttatcagtc cccattaaag tggggggtcc ctgagagcaa 300
ggactgggtca ttttacttt gccttgaaaa gtagacatng gtcccaaatt atctgctaaa 360
tgagtantga acaatatngt ctattcagaa ggtgt 395
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<210> 418

<211> 381

<212> DNA

<213> Homo sapiens .

<220>

<223> Genbank Accession No. AA195656

<220>

<221> unsure

<222> (1)..(381)

<223> n = a or c or g or t

<400> 418

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gtagtTTTtag tgaaaacaaa tttaatatca tcttgtttga acaaagcttt cagaataagt 60
gagcaattaa attcttaaag tagggacaga acaccaacag gctctagact ccggaagagc 120
tgtaanccga caaatgggca ttgttttgct taacagtttt agcttcaatg taaatatata 180
ttattactta gaatattagc atctgaacta tataatgact attttatcat tttacttgaa 240
ttaaaaccag aatttctgga acttccaaat agtctttaaa gtttttcaat ataaacataa 300
actaaccctt attcctctct acatatcaaa tgtgaaataa ctgtcacaat atatcagcat 360
tttcacagaa agatgtttta g 381
```

<210> 419

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA195657

<400> 419

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acaagtatct acaaaatctt tataaattca catatttttc tgaaagtgta caagcagtct 60
caattttactg ggacaaaaat gaacattttt gttctttagt aatgaagtca atgtacaatt 120
cagagcaggt gtccatagaa acaactaggt ttgaaaaaac ttaagacaat tcacagttga 180
aatcaaacaa acactgtgaa tgtgttaaact acttgccata taacaacgct ttaacattga 240
tcttgctaaa taaggctatg attcataaga tgcattgtatt tccaaagctg tttaacattc 300
ttataaatta attcacagga ttcaaatagt tgcttttttag cttcaactgg gtattagcaa 360
aaataataca aaatgatccc cgtgcaagca c 391
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<210> 420

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA196287

<220>

<221> unsure

<222> (1)..(476)
 <223> n = a or c or g or t

<400> 420
 atcatactta attcatgaat aacccccata gtgtaggtta gtttagcacta tcaaagtgac 60
 tggttaaggac gcaggaaaat aaaaagagga ttcaattggg ttggtactgc aaaaagaatc 120
 cattctgttc agcacatgaa tttctgttct gaccttaagt ttagatatat caaagaaaca 180
 aaaagcatag aggcggctgg ggggtggtggc tcacacctgt aatcccagca ctttgggagg 240
 ccaaggcagg cagatcacct gaggtcggga gtctgagacc agcctgacca acatggagaa 300
 accctgtctc tactaaaaat acaaaattag ccaggcatgg tggcgtatgc tggaaatccc 360
 agctactcag gagggctnag gcaggagaat tgcttgaacc cgggancag aggttgcagt 420
 gagccaagat tcacgccatt gcactctagc ctgggcaaca agagtggaac tccatctcaa 480
 aaaaa 485

<210> 421
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA196790

<400> 421
 tttatgattt gtttcagttt tattttcctg tctcagtttc agtaaaaagat tcagagaact 60
 gattgacaca catcataagc tatcacccat ataccctaaa tatacactgt ttatgctttt 120
 tctttttcac ggaacaaggc gacactatct ttgttcaaac caaagtgaaa aggaagagat 180
 acaataattt taaaaagagg ggtgtgtgtg gtcttttact ctcatagatg gaatgtacgt 240
 caccacaaca aggaaaaagc gctgaggaag aatgtgcatc ccacagggtca gagagtcaag 300
 caggaagtac cagtagagca cctccaaata tagcaaattt ggaacaacta ggcatctactg 360
 tgaaagaact tcctagtttt tcatttgtct gccaccacat tgctacattg gaatttaagc 420
 cctcttcaca gtgccaatat caaaatgag 449

<210> 422
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA197311

<220>
 <221> unsure
 <222> (1)..(433)
 <223> n = a or c or g or t

<400> 422
 gacagcagtg cccaagctgg catccgtcag nacntgtggg cctttgtgtt ttgatgctac 60
 acatgtctat ggagggccac ttcttctgta agtctgtggg gcctcagcat acccaatagg 120
 cagcaagttt cagtatttcc cagttgtatg tcctcatggt ggggctatgt ctccccacc 180
 acttcccctc tcatcagget agactttaac atccatcaat catgtcttga gtcttgctcc 240
 ttctctttgg cttagtcatg tgactacaga tcagatgcgt ggccttagtg ttttaggtgt 300
 gcaggtagca tggcccaaaa tgctgttgta tctgactgag gaaaatgccn ctgtcctcng 360
 gcgtcccnag ggnccgtagg tgnnagctga atnggcataat gtcttccact ctgttcagt 420
 tnnaacactg cca 433

<210> 423
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA199603

<220>

<221> unsure

<222> (1)..(428)

<223> n = a or c or g or t

<400> 423

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taaaattaat cgtgaacact tttcttggtgta aaaactcaaa tacagaggat aggcaggatg 60
tctccctgcc cccagtttta cttcccgaac caaaggaaac ctggtaactg gctgtcatcc 120
tcccagaagt ttttctatgc ctttatttat taatgtacac ttgtaaaaca gcatttgggt 180
ttgctgttat actaatggcg ttataacata catacattgc agctcttttt tcatttaact 240
gagcctcaga aatcctttcc atatatacat gtagatctag gccattcttt ttaaagctga 300
gtaatgtttc atagtgtggg cataatacct acacttgtgt atttccagta agcctttaca 360
gataactacta ccntttttcc tttaaaaatt aaaagggtata atattaataa aaattccccg 420
ggaatttg                                         428
```

<210> 424

<211> 905

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA203222

<220>

<221> unsure

<222> (1)..(905)

<223> n = a or c or g or t

<400> 424

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atacactcag tgcagcctta agcaaatgag atcattttca gatttcattt tttttttcag 60
tcttttctact tttgtaataa taggaagtta gtaggactca cttctctgat taataagcaa 120
tttgcagcac acagcggtcc actgcggggg ttcacgctca cctgaaaaca cctgttccca 180
acctacttct tgggtgcaagt tgaccaaacc gttttaagtg gtaacttttt ccaaccgtag 240
cagggttggt ttctgttaag caaagccgag atccagtgc atacctggac tgtcaccgtc 300
ctgtgagtgg tgtacacaat gggaagataa taagccgtgg tgttttgctg tctgtctgtg 360
tcacaagcat gaaaaccctg gtgtcattga tcagcaccat ttgtggtatg ttccgtgatg 420
agcgtttagt gagcctgctg gctgcagagc actatgaaat catggtacgt agtccccggc 480
acctgtcggt attcctatat cctcctgcaa ctgtggtttg aaactgcgca ttctctagta 540
gtatatatcg tgcctgtcct caaaacatgt ccctttttat actcattccc ccaggcatgg 600
ggtagtgcta gtgcactgac agggacacgg gttcagtggc ttggccctat ctggaacgct 660
gcctgtacga tngtatgggt gctcaatccg tgctcctagc gtctacgagg ctaaacgggg 720
atggagttac cacntctagc gcggatgcat cncatgaaag gaagcacctt gtggaccggc 780
acggtagctg atcacaagag gtgttattgt aatagagctt atgaaacgcc ctttgtataa 840
aagattgcgg ccttgtttgc ggtgggtggag gattcactgt ggcccttgcg aggcgtccct 900
tttta                                         905
```

<210> 425

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA204927

<220>

<221> unsure

<222> (1)..(559)

<223> n = a or c or g or t

<400> 425
tacaatgtgc attttattcc atatcattat ncaatgttta catatagtta anactctcaa 60
ganaacgtcc tttaccagtt gtatgtggtg tctaaatctt taacatgaag gactgaaaag 120
gggtggaaatc cacactgatt gttatcctac agattgtcat gagctgcacg tgncaatca 180
ganaggaatg gaagtctcag aagagcagcg tggcttacag acccttggct ttagtgaatt 240
caggcatgcg ggatccatag tctcatcttg taggtaaaac tcaagacaaa nataantt 300
ntgttggaca gaggttctac attggtacaa tgnttnaaca aaaagaccca caggggganc 360
cttttngttc aaagtnngcn ccaattccac acctgattgt ggtntccaac attnaacctt 420
cctgtttgnc tccancattg ggcccttttg aaagggaact tctcctgcnt tagntgaggg 480
attcccangn tnantaagcc cactggtngt ttgctaaann cncctacaan gtnttggcgg 540
catnaaccgc ggaaantgg 559

<210> 426
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA205724

<220>
<221> unsure
<222> (1)..(523)
<223> n = a or c or g or t

<400> 426
ccattgggt gacagcgttt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60
tggaggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctcagaagca 180
ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240
tgtttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300
gggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360
cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420
tccatggctc tgagagtgag cacactgtca aagtcactgg ggtgagatga gccgggactt 480
ggaaaaccct ctcttaactt tcagtctcaa ctctccac tcc 523

<210> 427
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA206023

<220>
<221> unsure
<222> (1)..(335)
<223> n = a or c or g or t

<400> 427
aacaacagct aacattttctt gagagcttac tgtgtgccag acagtgcggc aggcactaat 60
tacaacctca ttttgcggag acaaaaaggg aagggtgccct gagaggggag tgccaagtgc 120
cacagttgga agtggcggaa nagggacata cccccacgca gtctatgtgg gggaaaccag 180
gtgcaactgc ctctctccac aatcttcctt gaccagcat gcaaagtgtg cnaatgcact 240
gtaagggatg gggccctgg ntagacaagag tgtggagnaa gggcctgggg ggaccatggc 300
ctgatggggg ggccactggg accagggacc ttttg 335

<210> 428
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA206914

<220>
<221> unsure
<222> (1)..(409)
<223> n = a or c or g or t

<400> 428
tccaagccgc ctggctcctgg gtgctttgtc ttggcagcca tagcagatga atgcactggc 60
gtttgggtgaa aaactggcag gctttgaggg agtgagtcaa gtgcatggga agggaaggcc 120
ctctgcatan gntccagggg ggtggcctga gnaagcgtgt gccaccaca cagcaccgtg 180
agagaagccg gccagctgga gcagtgcacg gcacgtgagt gangtgggag atgaggtcag 240
agagatgggg ggcaccttgg ctttgaccct gagtgagaag ggctcaccgg aagagttgca 300
agcagatggg gggatggact tctggccttt atgttcttta ganggtccct ccggagcctg 360
tgntttacct cattaaaggg gcccaagggt aaaaagttna aaaggccna 409

<210> 429
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA207103

<400> 429
acgatagtta cttttgttat gtattttacc acaattttta aaaagcaaac caaaaccaac 60
caagagtgtc tccccacac ctcaaaatca tcctgcagca gctccctggc ccagctctct 120
ctcaccctga ccctggggcc ctctccacc acccagggt agccctgtgg accaaccatc 180
tctgccagcc cctccccgac cctccagcca gggaggtggg gcgctggccg gtgaatgggg 240
caggccaggc ccaaaggctg gccaaagggt caccagctct ggactgggcg tcccgctctga 300
ggtggggatg accaaccatg cagctctggg ttttagcttg aggatgggca cattcaagca 360
ctgacagcca gcaagcttgg gcacagggcg atgcttaacc tttaaaaaat cgggta 416

<210> 430
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA207123

<220>
<221> unsure
<222> (1)..(413)
<223> n = a or c or g or t

<400> 430
agaaagtaaa aaacgttttg gtatatatttg atccatgggt ggcattttca aatgtgcaaa 60
aacaaagtct tggaagagat tccttggtcac tagaaagttc gcccttcctt ttgctgtcag 120
ttgtacgtaa gagaaattcg tccacattaa ggaatccaaa aagggtaaac taaagggtatt 180
taaaaagagt acattacaaa gaataagaag ccctgtaaca tctatctgag aatactagat 240
aaatctgtga gtagatgtgg cacctggagc tactcactac attactaaaa acaganacaa 300
gaaatctata atggcaggat cacaacattt gcgccgcaaa taggctaacc caaccaaaga 360
ctggccaccg agaggccagt nctgtctctg tgactggact ggggaacttg gga 413

<210> 431
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA210850

<400> 431
tttttttttt tgctgatcta gacttatttaa atttatttca tgtcattgtg gtcactttta 60
cagctgttta gacttatttt caatcacatt actcttcaca gaattcacag aattcattaa 120
ctaactagta tgttacatcc aagggttctt agtagcacat tgaaatagaa aagaggccca 180
cgagttgttg cttgtgtgtg gaacctgagt ctgattactt agacagatgt ctagaacatt 240
attgctttat taggcctatt tttaaaaata ataaattatt cctaggaaac ccacctgcc 300
agggtgctcat tctgcgactg ctgtgggttc actcagaaca tacctgactg gtgggtgctg 360
aatgaacctc ccacccatgt accctgctgc tccggacgct ctgagggcta gagcaatgcc 420
cctccatggc gtgtaaacad tttctacag 449

<210> 432
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA211370

<220>
<221> unsure
<222> (1)..(393)
<223> n = a or c or g or t

<400> 432
tttttttttt tcctgagtag atctcacctc tttatttttt ctgcctttgt ctgcctccta 60
ccaccacttc tcaaagcaaa tgtgttcttt gggtagatgg ttgttttcca gttgcttgga 120
gaaaaagtct gtcattggag gtggggccaca aatatagaac aaagtctctt ttgaaatatg 180
atctcttatc tccttctccg ttattcttcc ttccgtgatg tatggcttga gttccgcatt 240
gatttgtgta gtctgttttg taacatgcaa actgcatgca atcttctcag gaaattcatt 300
tactaaatca aggatatttt tcttaaacag gagttccgct gggatttttt tgcactgtag 360
aatagtttta attgttcna tccccatct cat 393

<210> 433
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA211388

<400> 433
tttttttttt tttttttttt ttccctgcaa tatttatttaa ggaattttaca catacacagg 60
agaaaggcag ccaggaactg tggttccaca catgaaatct tttaagcaaa gttttcttgt 120
ctgaattttc aagtggggtg aacaatgact gagaggaaaag ctgtcccggc cctctgcctc 180
gtacacctgg gaacgggtggg gaaacagagc accctggata cacaggcatg aaagagtgat 240
cagcagaccg ggagaaggga agggagaaaag ggagttatca atgacatggc gttttttaaa 300
ccataagaaa aacacaacag ttttaggctg ctgataaatt aattcctctc tgttgtaaac 360
ctaaaactaa acaaaaacaa aaataccag agcagatggg gagagggg 408

<210> 434
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA211418

<220>
 <221> unsure
 <222> (1)..(458)
 <223> n = a or c or g or t

<400> 434
 tgtcagagga ttgaggcaaa tcctacctcg gggaggagga gctttcttag cgacaggaac 60
 tggcactgca actttctcct ctgggacggg tttcttaggc agactggcac tttagagaca 120
 ttatgcactt ttagaaattt aatgtgatct cattgaancc cagtgcacaaa caaagaaata 180
 caccacagtg gcactcatat cacaaaacta acaaaatcac tggaacataa agacagttct 240
 tgggaagatg gagaaacaat accttttggg ggtgggtggaa cttcttcctc cttccgagga 300
 acaggtttcc tttcttcagg aactttcttc tttggtatct cctggcactt aaaaggatag 360
 tattgaaatt ttaaaatttg gtcaaaaagg gccanattaa atggaggcac atagaagtgg 420
 ccattaaaga agacatgccca tttaaagang gcttgaag 458

<210> 435
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA211483

<220>
 <221> unsure
 <222> (1)..(491)
 <223> n = a or c or g or t

<400> 435
 tttttttttt tttttgaaac aggagtgcct tatgggtctga gtggagtgtt tgggaggagt 60
 gcctcccggc tcctgccttc gggctcacct gagcgggggc gcantgaggc cactgtggga 120
 aacacaaccc ccactcccag gagaggcctc acatgctgcc ttcggtctcg ccagccttct 180
 agcgtggggc ctgggcgccc tttagggtgag tctgcacacc cgtgttcagg gctcccggcc 240
 ggaagcggaa ccataggcat gctgcggccc cagatgagcg cggagggcaa gcagggtgccg 300
 ggggnagcgca caccacacag ccaagcggcc cctgcccagc ctctntaaac agaccctcac 360
 aggtccctcc tgggcctcag tcacatccct nagaaanact ggcggtctg cccgagangc 420
 cagggtntcc accgagcctg gctgaagcag ctgtcccctc ccttnttgca gagaggctca 480
 aatgggcctg a 491

<210> 436
 <211> 177
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA211851

<220>
 <221> unsure
 <222> (1)..(177)
 <223> n = a or c or g or t

<400> 436
 ttatttttaa aaaagacttt attctctaga caagacaatg aaacccatct tccttgtata 60
 gagggcaagg aaagtttgca taaacgcaga atgtttcagc agctttgggt tcaactccatg 120
 gctcattttc ttcttagcaa tcagncatgg tgaacttgga ggacccaaaa gncatta 177

<210> 437
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA213696

<220>
<221> unsure
<222> (1)..(346)
<223> n = a or c or g or t

<400> 437
tttttttttt ctttttaggca ctttttattt tccaaaaaaa aattgtcggt aatatataaa 60
catctcattc tctcaaaaaa ttctacaact atacagctgt ttgtccatt atttgcatag 120
gaaatgacca caatacaaaa ataagaggga aaaagaagca aaacagcaac cgattttctgc 180
ttttcatgta ggtgtgtttc cacgtataaa ctttttgaag cctcttataa aattatttac 240
atcgtttgtc atcnatttac atcttttaag agcaactttt ctaacaaaca aaactataat 300
ttatcaagtt atgnaaattg tcttctaaaa aaacttacta tattac 346

<210> 438
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA214542

<400> 438
ttcaatcatt attataattt ttagaagtta agattatttg gattccataa atattaattt 60
ggataagaca ggttccacac atttcagaca aacaggctct ttacctatag agggagaatt 120
tcatctacgc acttttccat ttttctgaat catccagata atggctgatc tctggggaga 180
aaagactctt ctttgctcct ccttacttct ttctagggtga aagagggtt gatagagatg 240
gtgaccttta aggaaaagga ctgaactctg gtgtcacaag gggttgtttc tccttggggac 300
cagtctgttt tgactctctc ttttagagct ctaaaggag tcatcatttg gaagtcrccc 360
tttttcctta aaactgatgt gacacaacag gtttgaagct gcctctctct ggggaagttga 420
tggtagccta ggagggcctg aagaggattg ttcagatgac ctttaggaag aatcaataat 480
aatccatat ctctctcccc tctctctcct cacc 514

<210> 439
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA215299

<220>
<221> unsure
<222> (1)..(466)
<223> n = a or c or g or t

<400> 439
annttcggca cctgggaaaa aggagagcat cttggacttg tcaagttaca tcgacannga 60
cgatccgggt aaagttccag ggaggccgcg ancagntgga atcctgaagg gcttcgacct 120
actcctcaac cttgtgctgg acggcaccat tgagtacatg cgagaccctg acgaccagta 180
caagctcacg gaggacaccc gccagctggg cctcgtggtg tgccggggca gtccgggtggt 240
gctaattctgc ccgcaggacg gcatggaggc catccccaac cccttcatcc agcagcagga 300
cgcttagcct ggccggggng cgggggggtgc agggcagncc cgagcagctc ggtttcccg 360
ggacttggtc gctgctccca ccgcagtacc gcctcctgga acggaagcat tttccttttt 420
gtaaaaggtt tgaatttttg ttttccttaa taaaanttgc aaaccttcaa aaaaa 475

<210> 440
<211> 477

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA215379

<220>
<221> unsure
<222> (1)..(477)
<223> n = a or c or g or t

<400> 440
acttttttagt agagacaggg tcttgaaatg ctgcctaggc tgggtcttaaa ctctctggcct 60
caagagagcc tcctgcctct ttttttcctt ttaaaataag aactatcact gttttcttct 120
ccttcctttt tttttttttt ttttctctag caactattgc caccctggcc ccaaaagtta 180
tttatagagt acattggtag taattatact tacaatttag tccatggagt gcaggaccat 240
gaggaactat agctagataa gattgtgcc aattagaag aatagacatt ttactttcag 300
agaccatgac taaaagaata ttaacaccaa gatgctcctt ccatcagctg gatgtacctt 360
tgggcttgga aagatggcaa gtataggagt tgtactggaa cggctggatc aaatagggtt 420
aaggcatttt tgtcattgta catgtgggga aaagcaacca agtaataaga cnccacn 477

<210> 441
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA215468

<220>
<221> unsure
<222> (1)..(278)
<223> n = a or c or g or t

<400> 441
ttttttgaca gagccacact cgccgtcttt attttgcact caccctgggt gacactgggc 60
aggccgctcc tgccacagcc agactgagga agaacacagc actcggcagg ccagtgggg 120
tccgtgcagg gaggaccag gaccagcctt actcccgagc aagggaacaca gggccccaca 180
gagaaccctt ccgggaggtt ctctcctggc tgggggaggg ctctggacct ccacaaacac 240
tccccaaactt tcgggggctg gggcataaaa aaaagnca 278

<210> 442
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA215585

<400> 442
gagatggagt ttcactctta tcacccaggc tggacgacag tgggtgcaatc tcggctcact 60
gcaacctctg cctcccaggc tcaagcgatt atctcgcttc agcctcccaa gtagctggga 120
ttacaggcgc ccacctaat tctgcatttt tagtagagac ggggtttcac catgttggtc 180
aggctggctc caaactcctg acctcaggtg atccacctgc ctcagcctcc caaagtgtct 240
ggattacagg tgtgagccac cgtgcccagt gagtagacag caaaatttaa agttcaccaa 300
ctgatgttcc caaaagtgtc gaacactaaa tgacacaggg ctatgaggtg catacatttc 360
tttttagtagg agggaaaagt aaaagctttt caaagt 396

<210> 443
<211> 420
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA215919

<400> 443

```
gaaagggcgg tttgtgatgc tcttgccatc gtcaactcac accattccat tctatcccaa 60
ccccttgcac cctaggccat ttcctagctc cgccttcct ccaggaatta tcgggggtga 120
atatgaccaa agaccaacac ttccctatgt tggagacca atcagttcac tcattcctgg 180
tcctggggag acgcccagcc agtttccttc cacttagagc acgctttgat ccagttggcc 240
cacttccagg agctataccc catctttgcc acgggcgagg gcgggccccca atgacagatt 300
ttcccttttag agcccagcag ggggtgtggc aactcatagg ccggctgtca ttcattgtgat 360
tgatttgtaa tttcatatct ggagctccac ttgtttttgt ttctaaacta cagatgtcac 420
```

<210> 444

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA218663

<400> 444

```
cttctctctc ccttcgtctt ttcctttctc tttcttcctt ttctctctcc cgttcttttt 60
ctctttcttc tctttcttgc ttctcctttt ttagacgctc atcacgatca ggttcttcgg 120
ttcttttctt taacttttct ttttaattctt ctacagtagc ttttaattttg gcatagccat 180
gtgtttgttt cccatcaaat ggtcatctac ccgggactgg gcatctccta ctattaaaaa 240
gggtccacat acttcacaaa cttccatttg tttttcttgt gcagcaaagc tttcaattgt 300
cgacgttgtg gaccttaagc agttctctct cttcttttaa ttggctcaac taatttc 357
```

<210> 445

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA218727

<400> 445

```
tttttttttt tgagatcgag ttttgctctg ttgcccagtg cagtggcatg atctcggtc 60
actgcaacct ccacctccca ggttcaagcg attctcctgc ttcagcctcc caagtagctg 120
gaactacggg tgcgtgctac cacaccagc taatttttta tgtagagacg gggtttcacc 180
gtgttagcca ggatggctc gatctcctga cctcgtgatc cgcctgcctc ggccttccaa 240
agtgcctggg ttacaggcgt gacaccgtg cccggcctca actttttatt tattagcttg 300
ttggctttca acctctgtaa gcctcagttt cctcacttat caatcatcta ctgctgtata 360
gagacaggtc catctcctag catgcagggt gaggctaatt tgacatttga a 411
```

<210> 446

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219039

<400> 446

```
atttaatagg gaagggaaat agctaattac atatgttata aaaggaagcc aggaagtgcc 60
tggagagaag atacatccgt aaatctcaga gtcacacatc atagcacaga gtatggagcc 120
tgtgagaaa gaaactaactgt gtggctgatg tcaaggtttc atccaagcta gaaaatcttg 180
catagaaagc acccaaactt gtacttgcc tgttcccttc tgggctccc aattgttata 240
```

```

gggcttttga aaaaaattaa tgatacaaat cctgcatccc aaataggatg actgtataat 300
cacagaacca gcaggaactc ttagcagttc ccatgatgtg gaccaaaagc aggaccaact 360
ccaggcaggc attctat                                     377

```

```

<210> 447
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA219304

```

```

<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

```

```

<400> 447
gcttgggcaa aagtcttcag aacaaaggct gtgagcaggt gttgccctgg ttcctgccat 60
atcgctcccc aaagggtgctg taggagccat catagtgttt gtagttcaac tgtctctggt 120
aaccagtgtt gagatagcca atggccttga cttgacctct ggagtaagct gctgtgtttc 180
atttagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
caaaactgag acagaagctc gggcagattc ttctaccaca tttggtggca gtttcagggg 360
taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
ctctagtctt tcaggttcaa ccaa                                     444

```

```

<210> 448
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA219653

```

```

<400> 448
accaaagaat aaatgtactg tattaacatg aagactaatg acaaatgcac tgcagtagta 60
agcacgtcat agatgcatag aatattctct atatagtctg aatatggata taaaataagt 120
tatactcatt ttgttttcca tcacagtagg agcatagcat acaaagtgat tggttcagtg 180
gccatgaagc aagccagggg agagaccaca gaagagaatg tagggcattg agtacagtgg 240
ggatttgcca aggacactgc agagtccctg gggaccctct gggaacaagg ccccaaacct 300
ctcaagttag cc                                     312

```

```

<210> 449
<211> 376
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA223335

```

```

<220>
<221> unsure
<222> (1)..(376)
<223> n = a or c or g or t

```

```

<400> 449
gatctttcta gaatttaata aacttagtta ttctaagtta tccaactatt tggattccca 60
ggtttcatga ttgcaaaagg caggaatggg atgtgaatgg gcagacagta attcagttct 120
tggtttcttt tccttttgatt tgtttacaan ngannatttg catgttttct ccanggacgn 180
tcgcancnnc ttgctggcca agacatccag gtcacagcag attcggnncn gtgtggnana 240

```

```

acccatggat gatgtcatcc acaaaccctc gcactgctgc agggaaaggg ttggcaaact 300
tctcgatgta ctctgcctga gcagcttcca cattctcatg ccctttgaag atgatctcca 360
cagcgccctt tgctcc 376

```

```

<210> 450
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA223902

```

```

<220>
<221> unsure
<222> (1)..(495)
<223> n = a or c or g or t

```

```

<400> 450
gaatgtaaaa agttttataa tttattttct ccttagggca ggtgtacatt acatattagt 60
gctcaaatat atgttcattt ccagaatgaa tttttgcaca gtaatcatat atccatttaa 120
tatgtataaa gtgttcttgg ggatgggggt atattcactc actgtaccat gttttataca 180
ggcttcaaca tgcaaatttg tttatatcat ggcttcaat gatcctccat tctcattcct 240
gtagattaag agttcatatt gtatatctga ccctgaaatg tacaaaacttc aactacaac 300
attcttcatg acactatttg ttatgaggaa agttgcagct aaatattagt catgtgactt 360
aaattttgag aaaatggaaa atggtaatat gtataaattt cccngacaca tacagcaaga 420
caaatccagc ccagcctttg gatgatcacc ttaaaaagcc cggagatggn cataacctgg 480
ttggggaaaa tttgg 495

```

```

<210> 451
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA224502

```

```

<220>
<221> unsure
<222> (1)..(511)
<223> n = a or c or g or t

```

```

<400> 451
nncntnggaa agatctgcct cttctccaag aaactcaacc actagtgaca atgaccagcc 60
tcctgactac tccttctcca agagaagaac tgatgaccac cccaatttta cagcccactg 120
aggccctgtc ccagaagat ggagccagca cagcacctca ttgcagttgt tatcaccggt 180
gtcttcctca ccctgctctc ggctgtgatc ttgatcttct tttacctgta caagaacaaa 240
aggcagctac gtcacctatg aacctacaga aggtgagccc agtgccatcg tccagatgga 300
agagtgactt tggccaaggg aagccgagaa agaggaatat ttcattctaat gacttccagg 360
ccccnaggag cttattcctg gctccatcgc taacacgttg actgcttatt atgggggaaag 420
ttttctctga agccagggag aagcattgat tgatgtgggc aaatccaagc tccagccagg 480
tcgcagtcen aatgccgcat cactgacttc a 511

```

```

<210> 452
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA226925

```

```

<400> 452

```

```

tttttttttt ttttttcttt ttttttttca ttttagtcttt ttgtttttatt caaatgtcaa 60
aatgtaagtt ccaagataca aattatgttt gatttaaaaa catcgactat gctttgttaa 120
caacttccaa agccaaatgt aagttgttgt gactaaaatg cctccccagt acatttctgg 180
aggattaacc ttaatatgtt tagcagctag tctgatttcc actctacaaa aaggaaaatg 240
atgctataag ggaaagataa tgaacaaagt tataatatgt aagacttcct gggaagaact 300
tgaaccatt 309

```

```

<210> 453
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA226932

```

```

<400> 453
tttcacagaa cagggtgggt tattattttca atagcaaaga gctgaaaaat gtcgggtccc 60
ataaaggagc agaacctgac ccagagcctg cagtacattt ccaccccaca gggtcaggct 120
gggccaggca gggcaaagga gcagaaatgg gagtaagaga ctgtgcccac tgagaagctc 180
tgctgggtgt gggcagggtg gcattgagatg atgatgatgt agtgtaagga ccaggtaggc 240
aaaacctgtt caggctctgt tgagtgt 267

```

```

<210> 454
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA227145

```

```

<400> 454
acatagcaaa ttctttattt tcatattaac agtaaaacat aaaacagaaa cattaaaaca 60
gggcataaac agagttccca tggccctgtt ttcaaagcag gggcaagaat acatacaatg 120
acaagacatt ttgagttcgt ttaactccaa atcctcaagt ggggaaaaaa acttagaggt 180
agtgacaaaag gaatatgggt gggcagagac tgggtggagcc cagaagacta aagcctggat 240
ttataaatgt gatgtcctac aacggggact gggaatggca tcagggtttt tttttgtttg 300
tttgtttggt ttgagatgga gtcttgctct gtcaccgagg ctggagtgcg gtggcgcgat 360
ctcgactcac tgcaacctct gcctcccagg gttcaagcaa ttctcctgcc tcagcctccc 420
aagtagctgg gactacaggc atgcgcacca ctgcaccag ttaatttttg 470

```

```

<210> 455
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA227452

```

```

<400> 455
tttttttctg aattcattta ttttagaggta aaacacagcc attcaaaatt gtggaataca 60
atgtctacac acagaataag gttgggggaat taagctgaat tggttatatt cattcacatt 120
aataaatatt tttaaagaag aaattgtaga ttttaaaagc ttcattagac actagtgcac 180
catacaaata actaaactct catactgctt gattttcagg ttgaaagggt acaataatct 240
atataattca attacatggc agtaaatata aaagcatttt aaacatcttt tgaactgtgt 300
agtatactat aagcaggagt ttatttctaaa acattccatc attcttctga cctgtttatg 360
ggtcagtctg gacac 375

```

```

<210> 456
<211> 402
<212> DNA
<213> Homo sapiens

```


<220>

<223> Genbank Accession No. AA227480

<400> 456

```
tttttttgat tctattactt ttattaaata gtggggtttcc acacatggct ttttaaataa 60
tccaggcagg agaagagagg agggcacact tgggaactccc ctccccacaa tacgtgatta 120
tttacatttt agtaattgga caatcccggc tcaggaggag gttgcaagaa tctgcaaaag 180
ttggagggag cgccccagga gaacaaacag caagccttat tccccctagc ccatcccca 240
aaaaaccatc catcccatcc tagtgtctgg tgggtgtccg tgggtgtccat cttccattcc 300
ttcccaaatt atggaagtaa ggttcttctc accagaataa gagcacttgg gataacagag 360
taggggtccc tcacccaaaa aaaaaaaaaa aaaagaagaa gc 402
```

<210> 457

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227541

<400> 457

```
cacattacaa ttttaacagg tttatttgag cattcagcaa ttttatcaat caggcagtgg 60
cagaccgcca gcagttcagg gcgccaccac cgaggaaacc agagggggaca cttacaaggt 120
gtctctgga gcaagacaaa gaaactattt gattggttag agtggaaggt tcatatttag 180
agggttaactg accataaatc tcttgtaga ggtagtcgg tagtttctga ctgggttaagc 240
tgaagtttcc tgctcctagg ttacacacaa cactttcact ctgagttgag tttcagtttg 300
ctgacttagg aacccaaagt gcaggagcca tttcagccta ttggcctccc agcgaatttt 360
ttataacagg tgagggaggg tgcttagtgt gtatcagaat agcatacca aggaagc 417
```

<210> 458

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227560

<400> 458

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agcattccat catgtttatt gactcctggg ggacagggtca caaagtcagt ttgtgggcag 60
gccagactgc catagaagga agtcaggggc ctcaaggggt ggcaactctt cttactcgt 120
aactccttga ggcaagcttg gaaggtgctt tatttcccgc tatgattata ccaaccctgt 180
ggcctgctcc aggccttcagg atcttttagg cttcttgcg aacctactgg tggggggtgc 240
tgcaagccct ccccttgccc gaagtgccaa gcccactgtg ggcaaggcag ttgtctgttg 300
catagtcaag tagttgttgt ctccaacttg cccccagag cag 343
```

<210> 459

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227901

<400> 459

```
tttttgtaa gcgaaatagt ttttaattagt aggctgatca taaataaatc tacataaaag 60
atttaacaga attacaaaga gttttgtgtt cttttgtgga ctcaattcat aatatgcatt 120
agtcaacctc attctctaac tgtgacaaaa agagttgtca tccaacaatg cagcacagtt 180
taagcaattc atatgctata gttacatttt tacattttct ttacaaatgt aacatttatg 240
tacattatat atagattttt ttctatagtt catgtactga aactctattg tttttacaga 300
gaaaatgttg aattcattta atgaataaga aacattcctt gttaaaaagt aattcatata 360
```

aacaaataac acggtaccaa tgccttttgg

390

<210> 460

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227926

<400> 460

```
atgtaaacta tcaaattgttt attttaaattt ccatttataaa tatttttcaag taaaatatgt 60
acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatatata 120
atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
tccatacaaa agcacatgca tcaagagttt ccataagatg aaaacaaaaca cacttacttc 240
atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300
cagtaccaga actctcccca gag 323
```

<210> 461

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227968

<400> 461

```
ttttttttta acagcttgta ctttattaca tatgcaacct tgccatgcct gccagttaac 60
tccccctccg ccaatgttat cctcatgata tcagctccct cttggggcca ctgagctgcc 120
cccccttccct tctgggctgg agtagtggtg cccctcaagc aggcaatggg cagggggaga 180
tccacaatta atcgtcgcag ttctctttaa agtattaaca cttaaataag cactcttggg 240
gagttgcaaa ggatattcag gatgggatgc agtgggaggg taccctcat ccaaggtaca 300
ggctggaatg agctacagct ggtctatcgt ggg 333
```

<210> 462

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA228119

<400> 462

```
aattttttaa atttcacatt taatgtcatg ttaaaaactt ttctaaatca gtcttccagt 60
atcggattct taagttagaa aaaagaagac aaaagaggaa aattccgtat caattattta 120
gcctcctccc ttccctagaa accaacattt cctttttaa gcaaggcaca ctccctttct 180
tagaacagag atcaggaaac tttttgtgta attttgtgta aagggcaggt taataaacat 240
tttgggcttt gcgattctca tttggcttct attgcagctg tttaccttag gctggagtag 300
tgggaaagca gccatagaca atctgcattt ataaaaagaa gtccaaattt ggcctttgg 359
```

<210> 463

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA232114

<400> 463

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ttagcatagt catcttagct ttattgagta aggcaccca atctctgcta agattcttct 60
aatgaacgg ctgatttttc tgccaaacta tgcattgggc aaagagaaat caccacctgg 120
```

ccacccccatt ctgtccccct acaggacact aagggttctt acagataaag ggacgatgca 180
 ttcattgcctg gagaactaat cacacctgat ttctctggga tctaaaataa tgtcaaattt 240
 gattcacttt atgtaaagaa aatctttttt ttctgcaaac cccttcagaa caatgctgcc 300
 atccatgcaa gatgtgtgta aggccacctc tgtatactaa gaatgggtgcc ccagcaggtg 360
 gaaggatggc acacctgctg agcgtgggca cacg 394

<210> 464
 <211> 401
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA232508

<400> 464
 gaggggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt 60
 tgtgcattca gggcctctgc aggcctcacac agggagtctg aggggatagt gtttaagtga 120
 gcactcaggc ttctcttgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180
 tcctgctcct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240
 aaggaggaga gatgagacag agagtgtgaa gggctatgcg cgtggcatct cataaattct 300
 tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360
 ttatctctac tacaactact tacatatatc taatgggaaa a 401

<210> 465
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA232837

<400> 465
 acgacaccta tagatatggc accaacaatca catgcacgca tgccctttca cacacacttt 60
 ctacccaatt ctcacctagt gtcacgttcc cccgacctg gcacacgggc caaggtaccc 120
 acaggatccc atccccctcc gcacagccct gggcccagc acctcccctc ctccagcttc 180
 ctggcctccc agccacttcc tcacccccag tgccctggacc cggagtgaga acaggaagcc 240
 attcacctcc gctccttgac gtgagtgttt ccaggacccc ctccgggccct gagccggggg 300
 tgagggtcac ctgttgctcg gaggggagcc actccttctc ccccaactcc cagccctgcc 360
 tgtggccccg tgaaatgttg gtggcactta ataaatatta gtaaatacctt aaaaaaaaaa 420
 aaaat 425

<210> 466
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA233126

<400> 466
 ttgataggat tatgaatgat ttttattttt ttcttttatac tttgttttaa attttctaca 60
 aaattgtata ttttttaata attaaggaaa gagaaatctt tttttaaaaa aatacattta 120
 tttcaaccat attgtaactt ctgtttaact ccattgccta attccaatgg aaaaaatgta 180
 tctatctgta gccttctttg gaatatcttc cagatcttct ccccgctatc atttctatag 240
 ccactactgc aggaagggtt tatcatcgtg tatccccctc tcggtgtgat tatgtcagga 300
 gcagtcaatg ctagagaaaat ttttgctcct ctaatttaat aataataact aacatacatt 360
 aggtacacca agtaccaggc tccttgta 388

<210> 467
 <211> 326
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233152

<400> 467

```
agacagaaat agaattttat tttcttttaa gcactgtatt ttttatttct tcattatagc 60
acattaccct aatgtaatat tcataagact ggcatagatt tgaaacttac ctatctcca 120
cctagaaatg ggaagagcct aaagatatgg gtcataagaa acaaaaaaag ggctggatta 180
gggcactcct taggggaagg tagactcaca tggggccactg aaataaagga acctgggtgg 240
tcagctaggg ggcaaggataa agttttttga catctggagg gggcaagagg atgaaccaat 300
gaagatactt catgtacttt aaaatt 326
```

<210> 468

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233225

<400> 468

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gagcaatacc tttctgtacc cgtgggtgaga caagaccag agctactgga aaacaagcac 60
tttggaagat ttgttttgtt ttcattggaat aataatatgt cagggtataa tttaacgtga 120
gtttcttatg tgcccttaaa gactgttaga caagaaaagc attcactggc taataatcca 180
taggtcgacc tatgtcctaa gttaggtgta aggtccgatg ccttgccac actcgagctc 240
tctttacatt gttagttgtc aaccttggct gatggaaatc ccgtaaccac tatttggtgc 300
actgtgccat gaagggcagc aggcccaagt gctgctctga ctgaaaactg agttaacaag 360
atgaaatcta aaggatattc acagtgactt caattcagga agaattgctt caaaagagcc 420
cagtggggaa atctgacatc acagaagaca ttaattcagt cactttcaaa gagtttgtct 480
acaggcggtt tctctgttat caaggcattt gaaataggat tttac 525
```

<210> 469

<211> 188

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233290

<400> 469

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ttttttaatg aggaaaaaag gtgaaagaac aaaataaaac aaacaaaacc aaacactaca 120
gggactcttc atttcaggac tgcaaggaat caccagccag gctgaggagc acggacagcc 180
agccccagc 188
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<210> 470

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233347

<400> 470

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gcataacatc ttgtagggct gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180
ctaaaatatc aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240
aatggccat gcactgtctc tttaatgttt tcttacgata tattaaaata aaaacaaagt 300
ttcagctctc tcacaagaag taatttatat tctctgaatt ttttcagcca caacaactgg 360
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attctctttt ctgatttttg ctgcagc

387

<210> 471
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA233369

<400> 471
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gctgcagggg ctgaaagaat ccagcattcc ccaaactgga gcgaagagca ccatgagacc 180
actgggggtt actggctcaa tggcagccca cggatgacaa tgcacaaacc tcatttgtgt 240
gtgttcacat tttagacaaag aatagcacca agaacaacct ttaggtaaac agtctcctca 300
gcacattttt tgctccctga attgctgtgg gcagcagttt tcacttcagt tt 352

<210> 472
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA233763

<400> 472
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tacatactaa aatataatatt aaatattcac caaatctgca ttgctgtctac atgaaaacat 120
tttttgggtct gttggaaaat gtaattcctg agatcattgt tgggctttgt caatcatttt 180
cctcaccatc aaatcacctt aagtgacttg ggagtgtgaa tctaggatgt tcaatttttag 240
accaattttc tctatcttct aaatgagtaa acaggctctg tcttttataa aaggtagaaa 300
aataaccatg gtgtgctaatt ttttttcaag gtataccata tggaaaagta taggctgaac 360
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t 421

<210> 473
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA233797

<400> 473
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gaacggggaa taatacagat taaataccca cctgtgcatt cacactctca cacacacaca 120
cacatgccac gcacatatcc aagctccaac ggtgacaaat caaacacctg tttccccag 180
cctgaggggac agctggtagg aggtgggttca gaggtggggc tccaggatgg gctctaatag 240
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ccacgggtca cacagcccgt agggctcttat tgggcctgta gcatgtgggc tgcgtctttg 480
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<210> 474
<211> 459
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233837

<400> 474

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atgctgaaaa agcccttgcc atctctgaca gaaaagcaga gcagctctgt ttcattgaacg 120
acagcacaat taaagctaaa ataataataa aataattcga aaaaatccct tttactgtac 180
actctcaaag caagaaagag aaacaacagt tttgttttgt tttttctgc tagccagaaa 240
atgtgtttct attcatttgg gctttgaagt tcagtgtacc ccacatctgt gtgtctgtgt 300
gtgtatgctg ggctatgtgc gtgtaatcta tgcagtgtgg aagcccctaa tcttttcac 360
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<210> 475

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233886

<400> 475

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ctgacgtgcc ggggacacac acagagaacc ctccccgcc cgcgaagtag gggggaggcg 120
tcgggtttttc ttaaaaatat aaatgtattt atctgcatta tcacgtccct gggg 174
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<210> 476

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233897

<400> 476

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tggctgtaaa aaggcaacag agaggacaga cccaaaagat aaatgtctgc ttgcttgggt 180
ggggctgggt ctcaaggagg gacagttgtt ggccctctcc cccgaccatg ccttagaagc 240
atctccgccg gtccagtga tccaggcctgg gtgataacgg aaaaagttcc atgcctgcag 300
gcatcgttct gccatcactc accgagcttc ctgggtctgtg ttccctctcc cagcctcact 360
gttaccgcga aaaatgagga gc 382
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<210> 477

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233959

<400> 477

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tcacccgatt aatcagaat gttgctaaag acttatgttc ctatttcaac agagcagtg 180
ctaggaatc tacagtagaa ctctcttct aggttccca atctgacca ttccattca 240
accagaggt gctca 255
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<210> 478

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234095

<400> 478

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cgcagatacg gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240
gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300
aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcatctgc tcttgctctc 360
caatgtgtgt attttaacaa ataccattta attctatgtt gac 403
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<210> 479

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234096

<400> 479

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gtcagggggc tgtgtggacg agctcaattt cgatgcatct cgggagaccc gggcaagagg 180
ccgcttgat tccgggaggc aacgcccac agtcaggatc ccttgctcgc cgcccccaac 240
cggtcaggat ccctggctcg cgtcccaac cggttccgtg tctcacctgg gtcctgcagg 300
cgtccactgg aggaagccgg atggctgggc ttggctcttc aggaaggctg gctggcaccg 360
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<210> 480

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234346

<400> 480

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ttcaaaaata acatattttt ctttgacaaa atcagtaaag tggcaagctt gtcaaagaat 180
catttcagtc taacattttt cttagtggat aaatatttgt caacaatctg taaatagtat 240
aaatgctttt ctcaaaatgc tacgtgaaag aagccaggca caatagatta cacattgcat 300
gattccattt atatgaaatt ctcaaacagc agaactaatg atagaaagca aaccagtgtt 360
tgccaggggc caaggatagg agcaggggat tgact 395
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<210> 481

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234362

<400> 481

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actttctgaa atgacacact gtacaaactg gacaaatgag acgactgact gtgacagggg 180
ccggggagct cttcaagggg ccgttttctt caagtctcgg atctgtttta tcaagtagtt 240
cttctcgtca gcgaactgct catcatccgt cttttctttt tggaagctgc tcagaaactc 300
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aatgagtttg ggctgatttt ttaacaggat ctccacaata ggctgtgttt tgtgaggact 360
ggccacaaac accttaaaaa catgaaa 387

<210> 482
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA234365

<400> 482
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ttgattacag aaaactgttc aaactgttca tcaaaaactg agtgggattt tccattgata 180
tttcagatat tcaaatcaac ccatattctg agtatcaatc tgaattgcac aggttaagat 240
gtgaaccctt cacatagtgt tgaagatgtg ttgaaatctg tacttgaatt ggcattgttt 300
tcctcagagt taggctgcct tcatgagaaa tatcttctat ccctgagaga tcagctacat 360
caagatggct catcagctaa atcacgttg gtca 394

<210> 483
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA234527

<400> 483
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caggtttagaa gcaccaaccc attttcacac agatgattga ttaatgttta gagtttattt 120
gggaaagcta cgaactagct gcccatctta aacagctgta caataacttg aataaaaaat 180
tatgtaagaa aaaatgagca agcgtagtct actaaatata aaggaaattg ttaaaaccag 240
acagtaatag ctataaaaagg cacaacttcc cttttctgat atacacttgt aaactttttt 300
tcaggtttcc atgcataaat caaaaatgct atcctaacta tacagggggg ggatacacca 360
acagaaagtc tagaaaattt catccagcca actgtga 397

<210> 484
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA234530

<400> 484
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gttaacacaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180
ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240
aaaataagct aggggaagaaa acccaaaaaca aagaagatat gacatccaag tctccacca 300
aagtatacaa atggcaagat ttggagatga tctgctttct cacatgagga caaataacag 360
aggagccaca cccaagtgcc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

<210> 485
<211> 389
<212> DNA
<213> Homo sapiens

<220>
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<400> 485
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 tttgtacaca cataaataat tatagatgtg tacatatgca tggattaata tacatacata 180
 tttctcaact ctgctacaaa cagtgcacatc ccagtagcaa caagcacatc taattgcccc 240
 gatcttggtt tctaagtatg attctccaac aaaaggaacc agggctcttt ggagcagggg 300
 ttgattctag ggattctatt gttggggcag ggaatatcca agatgaacct ggagcatctt 360
 gtagtgccag aaagtaagaa gtgctcaaa 389

<210> 486
 <211> 103
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 486
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<210> 487
 <211> 558
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA234687

<400> 487
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 caagtgaaca cactctatgt caactctcct tttatccagc tgagatttat ggtaacttat 120
 ttaattaatg gtctgtctgt atgcacatcct gatggcaagc ttcaaactctg atttggtatc 180
 accgaggaaa ccttgccccc atcactcagc attgcactta gatacagaat gagttagata 240
 aacttggtct gtctagagac ccattgtcatc ttaacctaaa gggaaatctt attgcgttat 300
 cataaaattg atgatatctt agggtcagaa ttgccctttt ttttttattt tgaatgggaa 360
 gttctcacta aaacaatcct gagatttctt aatttcatgg ttcttttaaat attataaaca 420
 cagagtcaac atagaattaa attgtatttg ttaaaatata cacattggag gacaagagca 480
 gatgactact tttcgaagta atgctgctcc ttcctaaaag tctgttttca atcctggtaa 540
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 <212> DNA
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 cagttctgga ctgacaactt tttcgtgatt cagagattta cctaagagac agtttagcat 180
 tttacttctc aacagccaat gcagacaggc agtctggagg tttttcacaa tgcagtcac 240
 tcctcccaaa ctgctataga gat 263

<210> 489
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA234717

<400> 489

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ctttccattt aattttcccat ggttttgcta cgttgactaa actctgtaat gagaaagtct 180
tttaatttaa tagacttttg aggtcatgtg taaccagctt tggaaatcat tttaggatta 240
ctgagtgtgt tttcataatg ctgtatatatt ttcctgccag gatttggagt acctagggtta 300
tttgtccacc agaacaatgg ctgtaaagga gaaaattgag cagtgggtcag aagctgctga 360
gaagatgcgg taaaacaggt tacataaaaa acaatgctgg tttgaaataa cctatgcgct 420
tttgtca 427
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<210> 490

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234817

<400> 490

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aattgttgag ggcaagcttc attgttgata gtgcaaagtg tcgctgttgt gatgtgtgtt 180
tattttattc aagtttgaat attgacaagt gtaacttaag ctggtgactg acacctattg 240
atctgctgtg tgcaaatgat agtactattt tttagaaaac tcttaagtaa attttaaaaa 300
tatttgaata caaaatatct gagcaatttt gaactcaaaa gtttttcatt gttttaagga 360
ttgccacagg actctttaat ggtttttaat ggacatacat gcctaataatt tattggtgtg 420
ttaaataag 429
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<210> 491

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234831

<400> 491

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agagaacccat atatttaaac aacgaatagc agggtagctt acttaggtga cacagttcat 120
tgaaaactta atactgaaaa ataccgcaat ctggacagca agacaaatat caacaaatgt 180
gtttt 185
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<210> 492

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234916

<400> 492

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ctgcagcctc gaattcctag gatcaagcaa tcctcctgcc taagtctcct gagtaactag 120
gaccataagt gtacaccacc atgactggct aattttttac ttttccgtag agatggagtc 180
ttgtgatatt gccagcctg gtcttgaact tttggcctcc gacaaccttc ccatcatggc 240
ttcccaaagc attgggacta cagacatgga ctagctccat ttcttgatgt gaggccataa 300
gcgaaccaa gcagactcaa ggcccttggt tgcttggaca caattagcta ttaataacat 360
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ccaggaaaaa gctcagtctt ctgagtcagg aaaacctggg ctggagtcct ggctacactg 420
gtcaccagca gcagaagcct gggcaagatg cttcac 456

<210> 493
<211> 385
<212> DNA
<213> Homo sapiens

<220>
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<400> 493
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aaatgaaaaa catttacact gactgtacga ctagtgtgct aagccattac aatagtttac 120
tgacataact ggcaagagta acttggaaaa taacttaatc cagcagaaca aaaacatcct 180
cagaaaaaca tcctcagtag tactgaatat atctctctca tatatctatc tatctatcta 240
tctatatata tatatatata tagcttttgc caatcaggga gcaaggcacc ataatgaaat 300
gagcatacat ttatgcagaa gaaaataata gcaacaaagc tgcgagaaaa attgtaactt 360
catcttcact gagctgtgca taatc 385

<210> 494
<211> 366
<212> DNA
<213> Homo sapiens

<220>
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<400> 494
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ccttttatat cctatttttag gcaaaatgat aaaaccaga aaataacagg aatgtactag 180
tcctaaaaac tggacctttt ataaatgaaa cagatccgat cacctatacc ttctctcaaa 240
ttccaaataa tgaggcttac tgacctgtac tctcagaatc aacttaaata catttttagct 300
tgatttggat gaaatatgta ctttcagttg ttgacaatcc aggtagaaca agtacataaa 360
atgatt 366

<210> 495
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235289

<400> 495
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aagtataaaa gacactttta taatttaaaa aaaaaaagtt tttgatacac tatattctgc 120
agtatagatt cttagtagat gcaattatct ctgacttgtg ccaaattctt aggaacaata 180
aacacacatg cacacacaaa cacacactct tctctcagtt acacacgtaa gaccagaggt 240
tacttgcaca agactgtgaa accaacaaaa tgtgggggtg tgtatagatc gcaggctcag 300
tgatattgca gttctgaagg ccaaattctt ctcccaaggc ccagctcaag ataattctt 359

<210> 496
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235310

<400> 496
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gctggcctta gctttaggag aaggaactcc aagagcagta gtgatctctg agatcacctt 120
gttcaccctc ctcggggca 139

<210> 497
<211> 230
<212> DNA
<213> Homo sapiens

<220>
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<400> 497
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ggttaataaa gattttaaat atttcttggt ttacttttgt aattatatac acaacaaatg 180
tattaataac taccttgta aacacctttt aatagcaciaa gggttttata 230

<210> 498
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235507

<400> 498
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caaaaactcg cgctatgggg tatcttcgga gaaaaattcc caggcgaata ctaaactgat 120
caattgaact agcagctttg cgaacttttc cgtacattcc tgccagatta gtttctgtgt 180
cat 183

<210> 499
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235618

<400> 499
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aaaattcatt ctaagaaaac ttggcaaatg aaactttgga ctggaattgg catttctttc 180
tctgcttttc gttcccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240
tttaaatat ttcagaacat taagatagca gttacatttt ttaatagtta tattatttta 300
aaatgactct ttaaaataaa gtttttagaga aactatatta tggatagggc tgatttacat 360
tttcaaattt tctaaaatca gc 382

<210> 500
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235707

<400> 500
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tagtctttct gagtgaggtc ctgattcagt actgaggtct agtaattaag aggtcccggg 180
agctgcacgt tcaggccggc atagtcacc atgtacattg gccattgcac gagtgagatc 240
tggttgccg atgccactga atccgggtta gaggacgagg aagaggaaga cgaggaggaa 300
gaggagacgg aatttccttc cgagaccgc tttctcttgc gcttggaat gctgctgtct 360
ttggctggca ccttggcatc attgcagatt tctgcaaagg gttggagctg gt 412

<210> 501
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235765

<400> 501
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cttgcgctcc agcaaatgaa cataaaaaaca acaatgtcag cagcattaaa gtgcttttgg 180
ccatacttct ttcagaaaagg gtctctccct cagtggata aatttaattt tacgtattga 240
agaagctcaa aatttcattc attccccagg ggctacattg aaaaaaatt catgtttacg 300
ctaaagaatt ttttttttcc aaaaagagca caaatccat tggaattgtg tgacagtgat 360
tt 362

<210> 502
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235811

<400> 502
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aacactcaaa atactgcaat ttgctttata aatgatagtc tatccacaca atgggatgtg 120
gtgatttaaa ataatgatgt gtataattat tgacatagaa agaaatttag ccatttatta 180
aatgaaaaca agtatgtttg taaaacggta tccagaagac aaaggacca gtttcttcaa 240
cataacagtg gcatgtgaac caaatgttag ggggaactat aataaagagg cttaagaaag 300
aagaaaaaat aaaaaataaa acaggcttaa tatatcaacc gcatgcaata tgtttagatc 360
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<210> 503
<211> 315
<212> DNA
<213> Homo sapiens

<220>
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<400> 503
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gacaagtcc cctctcgga cgcttggtc cccaggactg ctgaagcaca agaccgagg 180
agtggcctgg tcttccctc ctggcctgtg tggactctga tggggctgtt ggacgcggtg 240
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cctcgccgcc tcttg 315

<210> 504
<211> 401
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235868

<400> 504

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agctattaat atacaaagat acatcttttc accagtcttt ccttctgatg tctctgttcc 180
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aaactgaatt tgctgaacac cagaaatctg ttgatatgat gttgtgtaaa ccataacatt 300
ttgttggtga ccgtctgtgg ttattaagcc agctggtaac tgggtagtaa atgcctcctc 360
tgtaagctct tcacttagtc catctgtagc tgtgactgct c 401
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<210> 505

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA235873

<400> 505

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aatacaattt tcacaaataa atccaaaatt taaggtagga ttaaaaagga gtaaaccaat 120
acataaaaaa tgaaattgag aactgattta atactaaagt tctgaataaa ggtgtgcaact 180
ttatgattga ttctatcttt ttgcacaagt tggatactcc agtttcccat cccaacatgt 240
tgttcgcaat gtgtgagaac gtgatgaaag acgatatccc cgtttacaca caaattcaac 300
tgattcacct gttctcgaat aaagcttctg tttggctgtc cacccttaatg ctatgttata 360
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<210> 506

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236037

<400> 506

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gtgcgaccac ttagtgacc aaggcttctc aagagtgtgg gatgagacct gcggacgagg 120
ccgcccacc gtcagggag cttgcaggtc tcctccagga gggcaagtgg cttcggcttc 180
tggtcggca taagccttcg acagattaat aagttatctc cttcagccca agctcatttc 240
ctcctttggt tgcccagcaa aggcagtaat g 271
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<210> 507

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236150

<400> 507

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ttgtaggaat ataactataa taagtggaaa agatacatta aaaccatcag tgtgttacac 180
ttgttcaaaa cagaactcat aaggcagacc aaaactgatg caagttaagg aaaatgggtct 240
gttttttagga agcatgtcca gacagacacc acaagaaaat gccaacagag actatgtgggt 300
cccctcttgt tactagtaat gtgtcaaagg tggagtgtgact ggggttaacag cctaagcttt 360
ctcc 364
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<210> 508
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236230

<400> 508
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 aagttgatca tagatttgta aaccaaaaagg taattttctca agtatttgga aataagaaaa 120
 agcctcccta ccaccaacct tttgggtcatc tttctcattc tcttacaatc atcctaatacc 180
 cctagtacac ccttaccata tatcaataag ggcaccataa tattatgcaa agaacagata 240
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<210> 509
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236365

<400> 509
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 gttggactgg aaggcttcag tcacatgctg ctttcaagct ttcaggctgg gcaacaagga 240
 ggagatgccc atgacgtgcc aggggtctccc catctgacac cagtgaagtc tggtaagaca 300
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<210> 510
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236401

<400> 510
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 gacaggaggc attggtaggg gattagatgt agcagcagtc aggctgggat caagatgcct 180
 gggggacatc ttgatcttgg cctttcaggg caagtgggag gctagaaagg tggctaggaa 240
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<210> 511
 <211> 453
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236412

<400> 511
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 taatcattga ttctattttg aacaaggagt tttaaaagaa acctgacttc taagtgtggg 120
 tttttcttct ctccaacata attatgttaa tatgggtcctc atttttcttt tgggtgcagaa 180

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ccgttggtgca gtgggggtcta ccatgcaatt ttcttttcagc actgaccctt ttttaaggaa 240
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gggaaagaat gaattaattt ctatttctta aacatttcc ctgagccagt aaacagtagt 360
ttaatcattg gtcttttcaa aactaggtgt ttaaaaaaag agacatatat gatattgctg 420
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<210> 512
<211> 401
<212> DNA
<213> Homo sapiens

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<220>
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<400> 512
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ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
accagagcgt tagtgcgaca gaggcctctg tcctccctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gtttttagaca cgcagggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
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<210> 513
<211> 353
<212> DNA
<213> Homo sapiens

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<220>
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<400> 513
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atggtaaaca gtccctcttt tttttaaaaa aaatcagta cttaaaacca aagggaaggct 180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc 240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcc 300
tttaaaataa actatccttg aaaataaagt tttaaatcat tcaatataat cta 353

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<210> 514
<211> 447
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA236533

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<400> 514
aaatcattca gtttaagggtc actagacttt agatgagtga ccctgcaggt ttataaggca 60
ttctgctcag cagtcttgta aatagtccta tatgaaagag ccatgctact gttggacttg 120
gtcccactct ggtcaacctt gataacgtca tacgtggctt atggactgga tagcactgga 180
ttccgccgca gccctggcca tactgtgcca caggttgga gaactgtggg atgtagaatg 240
gagggactcc ttgtcagaca gtgacagcat catagcatat gcctgcgatt tggactttct 300
gtgtaacggc tgcttaagtt cctctggcac atgggaagta ctaaaagaag acagctcagc 360
ttcagaatat tgattatctt ccattttcct cattttgagg gctatctgtg aagtgcctta 420
tatgatctag agcagaaagt ccacttt 447

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<210> 515
<211> 151
<212> DNA
<213> Homo sapiens

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<220>

<223> Genbank Accession No. AA236672

<400> 515

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cattaaaaaa ccatttatag tcatttcatg ttggttgga atcacagaaa ttaggcagga 60
aaaaaaaaacc caagggaaca aatacaaaaca gcacagcgtt cccacagtt ctctgctctg 120
ctctcctgcg agccggggaa ggagaggggc a 151
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<210> 516

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236714

<400> 516

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ctgaaggtca gaaggaagct ggggtcgggc ttcctgcaag ctcttgctcc aaaacctgga 120
attaagaaaa ggccgccccg aagctctggg aaagtttggt acacacgggg ttcccttggtg 180
ggggagaaaa gccgccaagc cacacacggt cactggattg gtgtgagtgg gttccaagcg 240
actgccatgt gctagtccac tgacatgatt gacattaaca ttcttggggg gcattaaatt 300
aaggaatgac acagggagc 319
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<210> 517

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236796

<400> 517

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atggagttgc aagatccgga gtgctttact tccagtagca cacctgagga gcaggcagct 180
tccttcatgg cactctgctt ggcataagtg gcattgtcac tggcacagac aggtcatcc 240
gacttactgt cagggcacag ctcatcacag agggaaacacc ggcctctccc aaccttgaaa 300
tcccataaac attttttccc accagtgcac tggatatctt cacaggactt tgctttgata 360
cactttccct cataggctaa tccaatagat ctgcccagca ggcaggtagc ctttctcagg 420
tggcaggcac tggagtaggt gactccatca ttcccacaga gatattgctc agaggaagca 480
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<210> 518

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA236904

<400> 518

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gctaaatgga aaggatgtat gtcattctca tcagtaaaca agatttaact gctttcagat 120
gcaaaccata atgccgaaga agtgacatga aggggataaa agtctaagtc tttcatcttc 180
acagcaatca aatgcaaagt aaagcaaaaa tgaaatggac ttaattaatg ctgggcattc 240
ccacagggaa aacgcaagag gatattataa caatcagtag cagtattgta tacaatttaa 300
aaattccatt aggttgagcc accctcactc ctctctctgg ctctctccca tctgaggtat 360
agcaggctgg aactaacaga gctagtagtc gggagctttt gctttggagt ccactgagat 420
aagtgagtgg caaagtcttg gaagaccaga taatctggc 459
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<210> 519
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236942

<400> 519
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 acattcactc attcattggt ggatttcaga atgacatttt caacaattaa aagtgaaagt 120
 taaaattttt gagattagag gtactatgaa atgcatcttt ccagatttag agagggtaag 180
 agaacacatg ccatctacat attactgatc aggagcaaaa accatagacc taagcttgac 240
 ttgcattgct tctgacccaa gtagtaatga ttttcttata aagatttgta aacatttcag 300
 ttgtatctat aatacaaatt ttagtcaaca aactcctata cctgtgatgg ttttaatggt 360
 caatatccag ttattaatta aaaaaatgct taaaggtaga cagatctgag aggcacg 417

<210> 520
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA236982

<400> 520
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 atcttccaag agaaaatatac aaaacctggt gattccaagg tgaacaaaat gatcaaaatg 120
 aaagcaaaaca ttttcttcca gacaaaggaa tatcaaaaca cttcggcaca agtacaacaa 180
 aggcattgga agatcatgat aatgttttac atcacatttt acagcatttt attttaatca 240
 gtattttagt aaaacaagga tgctgagttc ttgaacactg cagtcacaaa ctcaaactaa 300
 aatttccaaa aaaaggaaag aaaacactga actacttggt caactgaaca tctgtaataa 360
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<210> 521
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA237017

<400> 521
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 gagctggaat agctttgcag gctggacacc tcaactctct cgggccctgg acaagggaaa 120
 tgagtcaccc cgttttcctc ggacctcagc tgggtgggact tagtggtctg ccaaactgct 180
 gctgttgtgt ctaaaaagag aaaacaggca ggggtgtgcca gctctggaga ctgggccagt 240
 ccaggggtgt ggctcagggc agagaatcac ccaccagaca gcgtgggtca acgggagcaa 300
 ggcgcgcagg gacaggctcc acaaccacac caagcaccgc agtgtggcac cgggaccaga 360
 tgcaagtgtc gttcctgcca tggggccaat acccaatact atccctcagt cattcttcct 420
 agatatttgt ttgctgttta ttaaagcagg gcagggagtg gggagaaat 469

<210> 522
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA242757

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<400> 522
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tgaggctgcc atcaggctgg ctgagttggt gcccaacatt gtatccagca gtctcaggcc 120
cgcgagtgac acagccagca tggggctcac aggtgcagat ggaatccaga agctcccaac 180
tatgctgcaa aggccaggcc taggggtccg ggtacatgca gtgagtcctt ggggcagggc 240
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gagtgcgac cagggcctac tagctctact aaatttcagg gtggcgaaat cctggatgtt 420
gccctgtca tggctcaggg gcctcctttc atcctagttc atgaagcccc aacacttcct 480
ccctgggatc agtac                                     495

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<210> 523
<211> 371
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA242766

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<400> 523
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ggtgggtagt gaggagaagg gagcagaggt gcgcgccagg agccaggctg gttctctgca 180
gagaacaacc tccagatcct cccagggaag cccgacacgc cagtcccacg ttggacgacg 240
tgcagaggaa gggggaggtc cacggggacg acgaagatga ccttatacgt gcaactcggca 300
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tgcccgctgc g                                     371

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<210> 524
<211> 379
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA242822

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<400> 524
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gaaagtattt cttctgtctt catgaaaaat taaaaagata gaaaatcttg aagtattttg 180
ctaccttaaa acaactaccc accctacatt tgtactaaaa taggcttttg cttgttttaa 240
aagcaattct agatgaggtt atattttttac aatactgtat ctcatctcaa ataaatttat 300
acattcttta ccctgtctaa acttgcatgc aaaataagaa ccagcaagcc ttcaaacttc 360
aatcacagta ttccatagg                                     379

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<210> 525
<211> 191
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA243133

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<400> 525
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atggcctctt ctgtatccca agcaaatccc taaatggagg tagagcacgt gttcctattt 180
ttcacactct c                                     191

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<210> 526
<211> 354

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<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243173

<400> 526

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ggggagatgg tccctcagag gtcgaggagc tcgcctgggc gtagacatcc tccacaggaa 120
cagtgaggaa agctgggcgc tggcttcggc ctgggcctgg gacgggtggg ggtgggaact 180
gacccctgcg ctgcctcaga ggctctgggc agccagctag cccggtgcga cccgctggca 240
gaagctgagt gggaaggggg cgccggagga gatgaagggt gcgtgtggct gtggcctacg 300
catccccgtt ctccatgcgg cccagctgct cctccaggcg gcagatgcgg tcgc      354
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<210> 527

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243466

<400> 527

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aagagggttt tgagttcttt ctaagcaact actctaaaaa atcagtagct tctaggtgga 120
atcatacagt ttccataaat ggtcttattt tccttttctg gttgaaattt aacccaaaga 180
actttaaggt ctaatgtgat gcagtattta catacaaaac tcttaattca tctgcaaaaa 240
tggccaatat gagcagataa ataggaaaagc tatgcatcta ataaagcaca gggccagtgc 300
tctataaaga ttattgagtt gtaaacataa gatattctatt caaaagagac cactgaaatg 360
gttggggcca ggttaggcca aaacttaatg cat      393
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<210> 528

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243495

<400> 528

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gggtataaaag aatcagtgca tatctgttaa tgcattgac aataaaaaata tattatcttc 120
tcagctcagc tctaaattaa caaaacacct attttttttt tccactcct catttttagtg 180
gttctcaaac attggtgtgc tcagaatctc ctgaggtgcc tattgaacaa tgacatccca 240
aagccccacc cctaagattt gattcagggt gtctgaaacc aggcgccatg acccagatgg 300
tccatggatc atacttttag aaacactgat atccccctta tacataacaa aacattgttt 360
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ac      422
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<210> 529

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA243582

<400> 529

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gcacagaagc ttctggcatc agcacctgca agccctgttc agtcatcatt catgatcgcc 180
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aaatactcct tctggtgttc aaccagcttc aggaatactt ggtatttctt atcatagtat 240
 tttttatcct gtagtctcgg gaacacaact ttcccaactt tgctcatttt tgccattgct 300
 tctgtacag aagcgaaatc ccctgaggca caggcaccca gaacagcagc acccacaaga 360
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<220>
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 aatgaatcag cgtataggcc acaaatacct tctcagtgcg gtttcaccta gaatacaagc 180
 actcagaagc acaaatttaa ctgaagtgcg aaaccaggcc attttgtagc ttcagttttt 240
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<220>
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 acaaacagtg gtatctcttg tcatgagttg gatgcctgtg actgacatca ggtattgcca 180
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<220>
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 tggtatttgc tttcaggtaa ttaggtaaaa caaacaacaa aaaacttgaa actattattt 180
 atctccaaga aaacaacgta gagttgaggt attctattta acagatgtga tctccatcca 240
 ataaaggtctc tctgttaatt aacagccttg tgacatgctg ttccaatcct ttctctctaa 300
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<220>
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 gaaaacacag tttttaaaac gatccatctt ttaacagccg aaaccgatgt gtctatgggtg 180
 ctgcaccttg ctggtgtact tctgaaatca gacgtgtgtg aacgatcatt tctgacttaa 240
 ccgtgagatg ctcacgagta cccttcctgt tgttttggtt gcattgaaat cgagactatt 300
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<220>
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 gcatctgtat gatatagtgg agcaggtgct gacataggta ccagctgaca tgatgtgtca 180
 ctagctctgt gggatgattg ccacatacat ggaacacctg ggagtgtctg aaatgtactg 240
 ggatcgaagt gacaaagtgt gttttcattc acagtggagg ctacatcaag caaggggagg 300
 tccagccctc ttgcaagtgt ggtgagaggc tctactagca aagacatggg caccggagta 360
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<220>
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 aaggggagga taagtaggct cggaaacttca aagccttcca gtcccagcac ctgcctttct 180
 cactacttct ctggagatgg taggagagtt tctaggtctt tcagggcagc atgtgattca 240
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<220>
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 cgtgacagca gtgcgttccc ctgctccaca ctcccactga ctcagtcctg ccaatgccac 180
 tatcaaggtc cttgcaaaaa tctggttttc ttttgctctg aaagggctgg ttttctcctc 240
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 aacctcctct gttggcaggg ccccggcagc acacggccac agcgctcctt cctctcaagg 420
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<210> 537

<211> 460
 <212> DNA
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<220>
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 aacatcagag ctgaattcct tctaaaatac aacaacaaca acaacaaca aataagtaca 180
 ctggtacac tggaaaatgc tgaaatgcta tcatgaatgc tggatatatt gttatgagcc 240
 aacagaaaat tacctttaat ataaactata acttactgat gtgattgttc ttcctatgta 300
 atctatacat aatcaaagtg agtgatttct catgttttagc aaattgttct ttaggtaatg 360
 aaaaacagta ttctcattag aaaaacacaa aaatccaaaa gatttatcgc agcaaacgtt 420
 ctagtatttt aaattttgaa gttacttttg gaataaagtc 460

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 cgtgttttaa ggtggatgcg gtcaccttcc cagctagggt tagggattct taatcggcct 300
 aggaaatcca gctagtcctg tctctcagtc ccctctctca acaggaaaac ccaagtgtcg 360
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 <212> DNA
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<220>
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 agctggcaac tcaggccctt ttctttctga aaggagggtt gtgtctctct cacattcaca 180
 catacacaga cacatgcatg tgtgcacact catggcacat gggacctcag gggtagcctg 240
 tttgccgatc cccccaagag gtaccaggag gcagaccgct agaaggagat aagaggcacc 300
 ctggtctcct ccaacccaag gaggaagaaa gctcaacccc tctaggatag ggactgtctt 360
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<400> 540

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cctggatggc cctgaggccc aaaccctgcc tctcagctgc ctctgcccct acaaactggc 180
gactgctctc atccagcttc tgatctgttt catttaagat gattaaaata ctcccctccc 240
caattcgctt aaaaataatt ttcaaagatt aaaaatttca tttgtgtgtg tgtgtttttt 300
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<210> 541

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251299

<400> 541

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cctgcccaacc tagtgtttca ggagggcacg cgtctgcggc tgaaccgcgg aagggccggc 180
gaggaaccgg gcctcggcga gatggccctg acgcgcccga cactgctgcc gctgctgctg 240
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<210> 542

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251428

<400> 542

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agcttctcca ggctttttcca agaatcaggg aactgtagc ctggttggtc cagtgtatga 180
cagacacgga ggaagcacat ctttagctga tacttaaaca gagaccctga gcgcacatac 240
acc 243

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<210> 543

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251766

<400> 543

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ccctaattggc agcataatta atagcaacaa acggccgtct tgctgcctgc cgcaccggag 180
gtatttttgc agacctgacg agcaaatttt gtgaaatatg tagtatgaag gaagaaagct 240
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gcctggcggg acacgtgact tctaacacga gggctcctct tagttgggct aggagataac 360
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<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 544

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tgtcccagta atgccaactt ggaggtgaag ggctgactgg ggcagctgag aagtgggacc 180
ttctgtttgg caggcttcct ctcccttgcc tggatcatgt tttctggtga gaagagtgtt 240
cctggccttg ctggagggtt ccatggcccc gaactaacag tgtttttctg aaatttcgac 300
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<210> 545

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251776

<400> 545

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taaatcaaaa agccaaagat cattgctggt gatattagca tactagaaac ccttaatatg 180
ctgctactat gatttgtttt aaattattgt ttagtcatat attaaagagc cagctgatgc 240
tcttacagtt aaaaaaactg tgtagccaca ttactgtttt caacgtcctg tgtggaaagt 300
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<212> DNA

<213> Homo sapiens

<220>

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<400> 546

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agaaagtaca aatatgaata cattataatt tgtaactgca tttaaaaaatt aaaatatattc 180
tctccaaatc caaaacacca cacaatcttt atctgttctc atcttggttac cttagaaaca 240
tttgtcatat gctatcagga aaatatagga aagacttact aatcagttat tcatgatcaa 300
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<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251837

<400> 547

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gatttgaaca aacatgagc agacagctaa ctacatgtta tgtttctctt agtagtttta 180
gggtctgccc agtaatcaag aaattttact tctccagaat acatgaacat gggaaccaa 240
gaaatgtaaa tatctcgaaa aagcactaca caataaaatg agacgcaatc cttatgcagg 300
tcaagatgtt ctccacatct acaatgtgca ttaacaaaat taatgcagat aagaccttca 360
ctccaacccc aaagatctta catgggtaat actattttcc aaaatcagca gaacaagctg 420
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<213> Homo sapiens

<220>
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tctgtgatta gtaggtgatt gatagaaaga aaaggaaggg ctggaaaatc ctcgggcatg 180
ggcagttacc tcttcatgcc tcctcatggg tcccatgtgc aaactcagag ggagttagta 240
tgaaacatgc ggtacaaatt taggctgtgt gt 272

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<211> 376
<212> DNA
<213> Homo sapiens

<220>
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acaaatgggt taaataacaa ggtaaccatt tgtaatgagt ctgttttagaa taaaatagtt 180
cttcacaaaa gttagacaag gccatgagta agtatatcac tgtataaaaa atatcagtga 240
cgtcaaaaata tacctgtacc aaaaagtaga acagcaatgg tagtgcattc aaatgtgtcc 300
taaattaaat tacagcacat acagtttcag tgttccacaa tacaaccatt gctctgaggc 360
agcaatctgt gagact 376

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<211> 397
<212> DNA
<213> Homo sapiens

<220>
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tatgaaacca tgccattatc tcttaggaaa caaaagcatt caaaattaat ttggtattaa 180
agttcaagat tcagactaac ctcaaagtac ggcatgtgca gtgtttaagt gcaagaagta 240
ttttcattcc aattatttta cagagatgct ggagtgcagt gtgcaatttg aaatattcaa 300
atcctttaag gtttctgaac taagtgttta aatgaaaact gaaatgctgc atagtttcag 360
tggttttcaa tttcctgttt gatctcagaa atatatg 397

<210> 551
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252147

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aactagaacc tcctttggcg tcagacgcac accaatgcta acattagccc tgccccagggc 240
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 tttaaatgac atacaatgta tgtagttttg tgcttattac tttttaaaat aataaataat 360
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<210> 552
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 552
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 aagctagtgc caaatgtgcc ccattggcca ctgaccctaa agatgtgtga cccagagggc 180
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 cggcctgggt cagcatcccc aatggagatg acgtctatgt gcggcccgca gaactcgggg 360
 gaggttgtcc aggggtgatgc cccactggc ttccacagcc acactcggga actgggcctt 420
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<220>
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 gttttttctc actggtagaa tactcacatt taagtagaca tttgatgaat gtgcatattt 240
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 tcatttttat ttattttatt atatttta 507

<210> 554
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA252365

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acattttaaat tattccattt cttcctacag tcctccttct atcttttagtt ccatttttaaa 360
taacccttca tcctacatac ccattttatc 389

<210> 555
<211> 336
<212> DNA
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<220>
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<400> 555
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gaaagcaa at tacctgcaaa ctaacactgg atgacaagtg tcaccagaag tgctttggaa 180
acatgattat gttatacaaa gacttggcaa atccaacagc atacagtgca actgaaacct 240
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<210> 556
<211> 321
<212> DNA
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<220>
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<400> 556
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cagtgcatt tttaaaaaat actgtaatta taatttcaga acttccgaat ttcaacagat 180
gccagtgttc tctccttttt tcacatggga aaattccctt gaaactcatt tgaagcttgg 240
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<210> 557
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252994

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agccctgccc acagcacagg ctcacagaag ccg 153

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<211> 169
<212> DNA
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<220>
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<400> 558
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<210> 559
 <211> 349
 <212> DNA
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<220>
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 cattctaaac ttaaaataga aattttttata ttacaaaacg tagaagtaaa attttaaaaa 180
 gttaaagtac tagcacatat atgtgttagg aaaatgggtc ctgtcaattg cccattttcc 240
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<210> 560
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA253129

<400> 560
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 cagagtgcct cagttagggg aacttctctg taaagaaccc tgggtattga gcaaaaacct 180
 tattatcggt aatgacctat aattggaagc ttctgtcctt tttcttttgt tgctcctgtg 240
 gaaaatactg aaaagattac tttgttttat tttgttgtct ttttataaaa ggggaggtgg 300
 agagacccct tcagagcagg gattgtgccg ggagagtgcc tctgactttg ggacatttca 360
 tccacagaaa tttccaagcc aatgggttct tttgggtttt ggtttt 406

<210> 561
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA253216

<400> 561
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 gaattagaat tctcaataat ttactattat ttacattagc aaatgtcggg cgttagtaga 120
 cactgagcag agaagcttga agaacgggga tcctctcctg tgggcagggg agccccagct 180
 tccctcgtga ttcccgtcct ttcaagttca ttatggcagc tctgtcaatg agcaccagct 240
 ggtgggtgtg ccgcagcacc aggacccgag ctgaaggccc agagacctgg caggccggga 300
 gaaattcctt tcctttggga agaaccacca acgctcagtc caagctcaca cggttatcta 360
 gtcggcaatg ccttccctgc cctgc 385

<210> 562
 <211> 376
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA253330

<400> 562
 gttggaagca gccgcccaca cgctcctaac tctgctgcat ggcagatgcc taggtggaaa 60
 tagcaaaaac aaggcccagg ctggggcagg ggcagtagtg tgaaggccct ggattctcac 120

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tcatgtgaga tcttgaatct ctttctttgt tctgtttgtt tagttagtat catctggtaa 180
aatagttaaa aaacaacaaa aaactctgta tctgtttcta gcatgtgctg cattgactct 240
attaatcaca tttcaaattc accctacatt cctctcctct tcaactagcct ctctgaagg 300
gtcctggcca gccctggaga agcactgggtg tctgcagcac ccctcagttc ctgtgcctca 360
gccacaggc cactgt 376
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<210> 563
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253369

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<400> 563
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gtgtccaaca ccaatgtgac aagtacatat atcagaatca ctctttcctc agagaatcac 120
accttccttt ggctctgcat gtggatccaa atcaagcctg ggtgtgtctg acaataccag 180
ggcacggttt gcttcccggc cctccatctc tactgtttgg ctacagcttg agttcactag 240
gcatcggctc ccctctcagg ccagccagca agttgttagc tgccaacaag gacatgggtg 300
tgccgggttct gtgggtggca ctgccaatgt ggggcagaat cacacagttc ttcaggggtca 360
ggagaggggtg gtttgtaggc agtgggtctg ggctcgtcac atccagtcca gcagctgcaa 420
tcttaccact gggcaaggcc tggtagaggt cgtc 454
```

<210> 564
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253410

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<400> 564
tttaagtaat gcgtagtttt tatttttacc atcattggag acaaaaaaaaa caaaaacata 60
aacatctgaa gtgaaattat aaagatggct tgatttctac attagagaat cccagcttgc 120
tcaatgagga aaatgttcat tttaaaaggg ccccttatag acatttgctc tttgacgtca 180
gcactcccca tagagcacac ccagatctaa atggatttcc actaagaaag tctgtttaag 240
aaacttcatc atgatgttta gctgttccca gaattcattg ttctcaggga atgacttgag 300
agcaaagaaa aggaacattc agtgaggcaa gagacagcat ctcccagatg ctgggaagtt 360
acacattttg tccttccttc ctttgtccca acagttattg agc 403
```

<210> 565
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253455

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<400> 565
tttttagagc aatgtgcttc cattttaatg aagcttgcta tagaaaagcc atttgatgg 60
tgtcaaaagc gtgaatgcct gtggtgtaac gtggaagtat gctgtggtgc aaagacgtag 120
tcctttcttc ctccagtatg cagcgggcac ctgccacacc tgctgcaagg acctggctct 180
gccctagggc catctgctac gccaaaggaga cccaggtctt tccagtttct accaggccct 240
ttaatgctct atcctgtggc ccaccgtgtt gcagggactc cagcagctga tgat 294
```

<210> 566
<211> 318
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA253459

<400> 566

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aaccagaggt ggaatcttta tttcacaagt ttcaagatac agtacaaaac gattctgtac 60
atctctctat taacaggatt tgtttacaca attatattac acttcaccaa cttttatact 120
gcatttcatt aaatacaaaa tacattttaca aaaagagtct accatgggtg tccttcacaa 180
tgccagctta aggtctttta aaacttcctc ttctacatat ttatagtggg tacatcttga 240
ttatatcaac attatgagtt ttatgagttt attttctaata caaagagaat agtgtcagcc 300
tgtttctcaa accaaata 318
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<210> 567

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA253473

<400> 567

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cactggaagc ctgaggggct gttgctgagc ctcagcccca gaaatacaaa aagtctttat 60
ttcacagaaa ttagggccat ttccatagtt atggggaagg acgtgtgagc aggatgggag 120
gtgctcagct gactgtcctc tccagaaggc tcttctgagc tgagcaggag accccagggc 180
cacagccgag cccaaccta gacacggctc gagctccaac cttggctggc tatacttcaa 240
gggcgggtag ggccggcatg gggctggagg gagtgcagc 278
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<210> 568

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255486

<400> 568

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agtgactcag ttttttattg aataaaatgg cctacagcct gatgacagta atatggccct 60
tggtttttga ggaaaatata atgttgtagg ttggccaaaa aggagatagc agtccagctg 120
aaatttgttt tcttatactg gctttaaggc agtgattaga aaaggcctaa gaggtgggtt 180
ctgtaaggga ttgctggaag gaaagtagga atatggaaag tcatgagaca tatactgtca 240
tctcttcttg ctctctctca agtcacatgc aaattcaggg agagttagta tgaaacacac 300
aatggaaatt tgggc 315
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<210> 569

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA255546

<400> 569

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cccattgtca cgcattccaca caaatgagtc ttttggatga gaaaagtcac agcaacttga 60
gttctcctaa tgaacagatg acttttttagc cctgtttgtt tcaatgggga aaacaatgac 120
aaaaaaaaa aacccaggc aggcacgaca cttatgtaaa atgaacacag ttagtacaaa 180
accagtaagg catcactttg ggaagggtcag caccgaagag gtcaggcaag gtcgtccag 240
acggggcttc tgggagggag tgaccctcac cttattgag ctgcgtcatg ttggttctga 300
ggaaagtgca agtcttttgc aggtgaccg catcaccaca ccggaagctg gggcggggac 360
gctggaggtg ttggtgtgtg ttctaaaccc ttcaagacga gaag 404
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<210> 570

<211> 396

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255566

<400> 570
tcacattacc gaaagccaag taatgtggtg tgattactat aattcctaca acaaaaacttc 60
cacttagaat agttacatgt tcccaaacta tttttcttct gtctgccatg ctgggttctg 120
tatcccatgg tccactgtaa tcttttggtc ttcttttttt gcagtacagc agtcctcgtg 180
ctgctatcca ttgagttagt aaaccaccaa ttcataagggt gccatcataa tggctgtgtt 240
tggaatctgt ctactagat gagttgtcag accacgataa agagacccat aaccttcttc 300
ttgaacaagc aaagatagag tctgaaaaaa agatctgtat tttgttccct cttcacgtag 360
tcttgttctt acaacttcat gtggatatgc tatagt 396

<210> 571
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255624

<400> 571
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acggaggcgg aaggggccct gcggcgacga cgtcgtcgac gtggtgtggc cgtgggagct 120
gagcacggag aagactccct ctctcggaag ccgatcccg agccgggcag gatggatcac 180
caccagccgg ggactgggcg ctaccagggt cttcttaatg aagaggataa ctcagaatca 240
tcgggggggt tttttttttt tacttcaaac ccagcaccgc agattgtgca ggctgcgtct 300
tc 302

<210> 572
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255878

<400> 572
tttttttttt tttagcacia agcatttttag gtttatttaa ataaaaatta taattttatac 60
aatacttttt ctttaacaaa acaaagtttt cttaaaaaaa tgttacagga gaattttttt 120
catcggttct taatacagta caatcctttt gttgaacaaa agtcacactg gcaatgatta 180
tttacagatc caaaatagac tcagggttca gacataaaaa atttaacatt catctagtct 240
agtgattagt cacagaaatt aaacatctgc ccagatgtac acaatttggt aaaaactaca 300
gcttctctcc acgggggagcc cagagcccgt gccgatccgc gctccgctcc cgaggacttc 360
cagggaggggg c 371

<210> 573
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255903

<400> 573
ctctcttttt caggggaggt ggggtgcagat aaggggtgggc agggcactgt atagggagga 60
aaaaaatact gatattgatg ggtcttggga ttgcaataag tcagtttacc atttaagagg 120
aaaattttaa tattcagtgg aatgaggcac tcaaagggtt gaaatgcgat tttcttttgg 180
tttcaggga cctgtccctg gtctctcact ccaagggttaa gttccaaaac tatacttttt 240

ggctcacagg gctctctgtg atgctctggg gccagctgtg tactcttgag tggttaggca 300
gcagttcaca ttagatgtgt aaaattaatt aaacctaatt ctctaggctc aagtccagga 360
tgtccccaga ctagttcaga aactaagtgc tctctcctcc ccttaaa 407

<210> 574
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256131

<400> 574
tttttttttt ttttagctgc tgaaacagac actcatttat ttccccagaa ggaggcagaa 60
tggggtcctt ggggagtctc tgtcccagcc cggacaggca gatctcactt ccagaagagc 120
acattccaga aaagcagcca gcaggggtag agggcccagg acagcagtgg gaagagcag 179

<210> 575
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256171

<400> 575
tttttttcga tttatcgta tttattatca aaatcatgac cagtgtgtag acatacttgt 60
gaaaatatac agcaacttgg ggcttataac acatgagcaa agatgacatt aacacgtgca 120
ctgttcacat cttgggtct agaggtcaag aacaaagatc acagacaaga cgttactaaa 180
cggacccctg cagtaggtcc cgaattgcag aatcatccaa ttccagcatg gtcagcacgg 240
agatattcac agaaagaaac ccagcaaagt cctctctgag ccgctagagt caacaagctt 300
ttcatacaca ctatggagag cccacgcccc acataaccct tgagaacaca gttccatgtc 360
ttggctaaca cggctctcac cgctggcctc aacaccctg ggccatgctc cctctgctct 420
tccatcccca ccacaa 436

<210> 576
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256268

<400> 576
cccagctttt caaaagttta ttttaagttt ggagactaga caaggtcata ctgggttttac 60
atcctacgtg atataagtat atatacaaag aaaaaaacia cattggaata ttacacagct 120
tgaaggtttg caaaggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180
gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taaccacagt 240
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360
aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 577
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256273

<400> 577

cacattgtca gatcatttat ttcagcgcag ttacaccag cagaggggca caggcttaaa 60
cgccggcata ttagttttcc cgcacgcgag ccctgcatgg cgggtgggctg gggagccggg 120
gcgggtgcgat tctgccacac gccacgctct actaggcccc cttactccta attaatggcc 180
tgctcaccag actgtgagaa aataattgcc actataaatt ttccctcctt ctgcata 237

<210> 578
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256341

<400> 578
catcagcaat ttcaatttta tgttttctac ttatttttat ataagaatac aatgcaacaa 60
aatattcata tattgcacaa acagtgatgt gcatacaaag atgctaacaa cattggctgg 120
taataggctt taccatgtta cgaatctaat gcttggtcat cagagaatgt acaaaattct 180
aagtttggca tccaaaaggg ggcttacagt tattgaatat ttttcccagc cctattttta 240
atcaaattca agtttgccta tgacaaagac tgtctataag taacagggca agcatacca 300
catcaaaatt attcttcttc ttatctcacg tgcccctatt tctcccaagt aagtg 355

<210> 579
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256367

<400> 579
tactatctag agtctagagc tcacagtaca gagttttgtg aaatacgggtg cctatgagaa 60
ttttcccatg gtacacagaa gccacagagg tgccctgaag cacagagcca ttgttggcat 120
acacgggtgct caccctgggc ttctcagaca aaacattctg gatgcgaagt acttctgac 180
ctggagggtc ctcagggtta tagttcagta gcttcatagg attaggatgg catcctgcca 240
aaatgtctcc tgtggcagga tcgacagtca gggtatccac taagggtgcc aactgtatca 300
ccttcagttg agttaaatcc cagttatcat gtttttccat tatgtgaatg gtcctaactg 360
ctacatcagc tacatagac 379

<210> 580
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256524

<400> 580
accataaaca aataaaattc tttattttaa tttctcttgt ggggaaaata tttttcttta 60
aagcacactt aaaagtaatt tgcatttact tcctgtaaag catttccatt tcacaattag 120
caaaactaaa aggctatgtc tcttcatgca tttatttttg ttagaaaaat gtcccatgg 180
gctatcaaac cgatttttaac catcatcaag cttaactttg cctctgttga caacatgact 240
acaaacatga atcaaaaagg agttaaggaa tttta 275

<210> 581
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256606

<400> 581
gacaaattat tttagtcctt tagtacagtc tgtttcctcc ttcaccccca gaacaaaaat 60
cgaacttctg gttggacagc gtcagatgtc actgaggtga cccagcctgt ttgcagttcc 120
aagtcttccg tgtaggcgtc actgctactg gaactttgta gatgaggagc ctgtatgatg 180
atgtcctgaa catttctatc ctttctctac acagagggaa gctacagaat gaaggggctg 240
gaaaacggtg gtctggttcc ttttagagct gattcccatc tggatactgc ctggaggcct 300
tggggatgaa tgagaagttc tgcagtttgg atcagtagca gaagcaggta acacatcagg 360
gaaccgga 368

<210> 582
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256642

<400> 582
gcaacataca aaaactttaa ttatttttgc aaaaagaaaag ccaactattc gccttgga 60
taataatgaa gtacaaatag ctctgactct gcatttggac aaggatgaac catgatagat 120
atthagaaag ggttttaaat catgtgtatg ttggctacag agtaaaagga acagagaaga 180
ctcaagctat tgtcaggtgt gtatgtgtca tcagcacaca ctgggggagg agagtctca 240
ctaagtgcc aacccctga tagctgtcag tctctcatga agcaccatga tctggcatgg 300
actcccaat gccacttg 318

<210> 583
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256666

<400> 583
gtgttcccat aaaactttat ttacaagagc aggggtgcctt ggaagcagcc cacggctggt 60
agttcataga cctgtctgct tctgaagtag atgatgcctg agtgcccccg aggtggggtg 120
ctgggtgectg ccttgctgct gtgagtgcc aatgggtgccc ccttgctgct gtgagtgcc 180
gtgggtgccc ggacggccct gcagggatgg catcgagtcc actctctgag ccgtgcttgc 240
cggagtctga gtgggggcac tgtttgtcac ctccccattt ctctgttcat gtgtttctca 300
ttcttcttcc accaccctgg ggactcagca ag 332

<210> 584
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256688

<400> 584
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atgtatatag ttacgtacac acacaccaat ggcactgatt ttggtacaca tcagaattac 120
ttaagagagt ttgttaaaaa tggagattct ggagccccac tctgtgagtc tggacgatag 180
gtcctacatt tttaaatgcc cctgcctgcc cccaaggtgt ttttatacag atggtagact 240
cact 244

<210> 585
<211> 347
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA256990

<400> 585

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gattttttatt tgggttttatt aaaaatTTTT tcaaagtaat acatgcacaa ggtaaaaaat 60
taaatagtac agaaggactt aaaatgaaaa acacagtttc ccatcccacc ctttttaaat 120
ctaaatccca ttccctagag gtaatgcttt taacaatatt tatttttagat cgtctggtaa 180
ctttctaact ttaaataata tgtttgagca ataatttctt gacttactga ctttacaaca 240
tctttaataa ttccccatta caaaagataa ggattttaact tacactatcg ccacttttct 300
ttgtccatct ctctccaaat gtctgatagt tacatcactt tttaata 347
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<210> 586

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA257057

<400> 586

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gcgaaaaata ttttttaaata aatttttttt tcttacattc tgatatacat atgtaacaag 60
gtttatggca ctgtaaccag aatcaaatca gaaaaaaaaa aaaaaaagga aaaagggtggg 120
aaggaaagta tttgatatat tggtgaattc ctttct 156
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<210> 587

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258131

<400> 587

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tttttttttt tttttttttt tttttttttt ttttgacatt ttctcctaatt tttattttaa 60
gccatcatta tatattaaaa gagcagaggt aattctgtct tctccggttg tgcagcacga 120
tctgtccag ctgctcatgc cagggcccgg aaacacctca ccttctcccg gtacagctgg 180
tggaactgct tggcaaggca gtggaaaggg gcttcgaagt tt 222
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<210> 588

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258158

<400> 588

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acaagattta ggtttgcctc tctgcctctc actaactggt tgagcttgat tacttttgta 60
aacttcaaat gcagacttct gggtatcatc ttcattgaaa ttcactttat tcaaattgaga 120
attcagagtt cctgatatt cttctggggt tttgtttaag tgtattcttg gtttgaagcc 180
atgagttaaa aagtcacaag tatctgtgta tataaattgt aaaagggtatt caaacatgct 240
aggatgaacc ttctctacca caaagagatg gcaccctgca gaatcttcat ctttctggta 300
aatatctgta aat 313
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<210> 589

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258182

<400> 589
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 tctgagaggg ctgcagtctt tttacaata ccatagtgcca aaaagactaa tacttattgc 120
 tgattcagct cacaatatta cccctttcca gacaacagca cattcaaag ttcaagaaaa 180
 cattttatgg gcacctttta tgggcatttg agattcacag agcaatgggc catggcatgc 240
 cctcaaggaa cttacaatgt agctggagag acacaaaaca tccaaaacag acatgagggg 300
 ctggctctac ctccacacct ctatctgaac aaaaacgatt actggcttaa gtcctcgtgt 360
 tgtaacgcat gagccacagg aatatcttag caagtacgca ctttatcaag tttcaatttg 420
 acatgtcaaa acaaaaagttt ttatgt 446

<210> 590
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258308

<400> 590
 ccttgctgct gttcccgagt gccgactgat ccatagtaaa aaaggacaag attaaaattt 60
 taggttttaa tggtaaaaag tgtgaagttt tatagttttc taataattat tcagtattat 120
 ccccttcaga gatgagggta ggataccaca gacatcagta actgacaagt tataatatca 180
 acacatgtaa catttggtgc attattttat aaccctaaag ggagcaactg caggtgcaga 240
 agcagtgagt gaactagttt tgtccagaca aggttttctg atgtgctatt actttaaaaca 300
 ccacttttgg acactaaaga tttaaagtga taaagccact aactaacttt attagactag 360
 tttttacata aataaccaga tttctttg 388

<210> 591
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258323

<400> 591
 taacattgct gaaaatttaa tcaactgatgg gaaaaggaaa gatgcaagag ctctcccaaa 60
 atacaacaga aaagaaggga gagatgaaaa caatgggggt gagaatacca aatgaaaagc 120
 aaagaaaaat ccaacattta tagctattcc caaggaagag aaaagctaaa ttcaaacaga 180
 ttatttaaag atacagtcgt tgaaaacgta tgttctaaaa caaaacaaaa caaacctgt 240
 gaattgcagc ctgaaaggaa agcatgtacc acgttctgga taaatatgaa agcaaagagg 300
 ccccatggaa acatatccat gcatagccca tgcatttgtg tcttctctca ccaaatagca 360
 ggagcccaaa aatatgtatg tgtgggccat aaacatgtta gaactccagt gcattaagaa 420
 aactgccttt acaaaagggtg gcag 444

<210> 592
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258350

<220>
 <221> unsure
 <222> (1) .. (431)
 <223> n = a or c or g or t

<400> 592
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aatgaggtgt gtgagccctg tccccagcat cctggagggg cgggtctatgc tgagagcccc 120
accagcagga ggactgggag gagcagggcc aggacctgta gtgctcgggg aggggtggtg 180
gctgaagcac tggatgaagg ctgggtcatg gatttcctgt tgcagaggta cccctcacag 240
caggagccct ggaggtcgat ggctgtccag gggctggtgg tgccctcggg ggtgcaggag 300
ggccggtgcn aggttctgat gtacacaggg actgagaaat tgccaactgt cattctgcca 360
ttgccctgga agcaggcggg ctgggtcctgg tgacactgga ctcgtcggga cctgccgata 420
gcgcagtcac c

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<210> 593

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258353

<400> 593

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tgctggcaga ctgggtatcat ctattgaggg ccaggtctca gcttctagga cggggcctgt 120
tgctgtgtcc tcatatggtg gaagggaatc gaagggcaaa aaggaggtaa ttggttcctt 180
tgagccccct tataaaggca ctaaatccat taatgaggat ggagctctca tgacataatc 240
acctcctaaa gcctcaccta tcacgttggg ggttgcttca acatacgaat ttggtggggg 300
gacattcaga ccttagcata tgtgatctag tagttctgct cctggatatg tatccctaaa 360
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<210> 594

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258387

<400> 594

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gaattgagaa tcattaggat cactggacag tgcttgaag aaaggacttc ttatgcctcc 180
ttcctcagca cccttagtga gtggactgag ggcagcagat ggatgagcta agagaggcca 240
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ggatggtcag gtcccaagggt gctctcccg atgctaaggg catcattcag cagggtgggca 360
gcttccttat acttattctg gttacgatac accaaagcaa ggatgttgag catggtggcg 420
acatcagggt ggcacggcct gatgtgcgct ccaggtcctc tagtgctgc ttacagagt 480
gcacggcacc tcg

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<210> 595

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258421

<400> 595

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aatgaacttg catttctttt gtaatgaaga aaataatata gaggaaataa caacaactaa 120
acctttggcc tggattatca tcggctggaa attcatgttg gatgcaagtt ttatttgata 180
acaagttatt ttttgtttta tatgcaaaaa atgttcattg aatgcctcct atttggtctg 240
cactgcctag gcactttcac aggtatttca tcctaatacct cacaacagcc ctatgaggta 300
atcattggtc ccagttttaca gaagccttgg gtgggagatt attgcttgat atacttctat 360
ttgccacaca t

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<210> 596
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258482

<400> 596
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 catgggcaat tcctctgccc tgcattctca ggccatgtca ggtagaggta tccattctcag 180
 ggacctcagt ggacacttcc gtgggactg ccagccgctt ggggggcaca taggatccca 240
 taccgctgc cctctccgcc tcttcctgac tgtagggctc gacgctcagc tgcttcagcc 300
 tttctttgtg gtctttggat cggaagtggg tcttcagggt ggttgaatcg atgaagtacc 360
 tcgcgaggc cagacagcgg tg 382

<210> 597
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258567

<400> 597
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 gcagtcataa aagatggcat tcacattcat tttagaaagc aacaacgtag atgtaaaaaa 120
 ctgcttaagt gaaaaatgta atattgcagt cccattttgc aagctgaaaa atgattttgt 180
 caacacgcat aaaatctgca cttttatata ctgcatgtta ttaaaaaatt ccattactaa 240
 attattacga attttgcaaa gttaggctta cttttatact gttgctggtg tatgtgtaag 300
 tagatatgga atgaatgcat ttcagtttag taggtaacat cctcaaaca tggacagcgg 360
 ttgtgaaaat tacaaagaca ttttgatagc tc 392

<210> 598
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258613

<400> 598
 ggcacgcct aaagccccag tcaaccagc ctgtgtctga gcagacaggg cgaacaagca 60
 ggccacaccg tctcgaggga ggaggccaga tgcggccagc gtctccaaca gggtgaccat 120
 ccgctcggct tgctgagcgt ttaaacaaat gtttagacag gctgtgggga ctcccagatt 180
 gagccttggc caggggtccg gtgctgtcgc gggaaacctc cagccttggt cttcaaacca 240
 ctcagctcat gtgttttgca ctgactagta ct 272

<210> 599
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258614

<400> 599
 aggaaaagtt ttttccattt aatactagac tttcaaggat tgagatgcaa gctttgtatg 60
 caattacatc caatgttaaa attggtaata cataatttac aaagattaac atcaaaacaa 120
 tcatctattt agatatgctt ttgtaaaaag gaaatat 157

<210> 600
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258813

<400> 600
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 gaagatgggtg actgttttca agcaaattca cgaggcacat gttcgtccct gccccaaagt 120
 gaacagtctg ggcttcccag aacagaaaag tgctttccct cctgggggaa tcccattcct 180
 gagctgacaa gacagatttc agtaagaatg agcacaaaag atagggcaaa atagtgaagg 240
 gagccagggtg 250

<210> 601
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA258836

<400> 601
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 gctttttctgt ctctgtagag acccctcctt cttctgcttc ctgttcccca tcagaatcac 120
 tatgcgaatc tgatgatttg gattcatcta gggtgccaag tgaattttca ttgaccttac 180
 tagaaggcag atcactagt tgtggaatga aatcatcagg tttctcccat ccgggatccc 240
 ccgggttctg aataaaagta atagggaaaa ccactctcac ttaaaccttc taccctaaacg 300
 gtcttcactg ctgt 314

<210> 602
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA259064

<400> 602
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 gtcggcgaca gtttaatgtg aggcaattac cgctacagac atcttgcttc atcttaaaaa 120
 aataaaaatt ttcaaagcat ctacacaggcc aaagagctaa gcaggacct cactcagaca 180
 ttcaagagtg tttccgagga aaactcgagg aggaggcagc gtggaacatc ttcccatggc 240
 cacggccccg cactagagctc agatgcctgc gggaagcggc ccctccacct gcggaaggga 300
 agacgatgcc tggtggag 318

<210> 603
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA261907

<400> 603
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 ctgtgtcata atggaaacag catatttaga gaaaaatagt atttcgtgtg ctgtctgctt 180
 gagtaatcaa tctggagatg caagttaacc gaagtgcac tgccaagcca tcagcgtgag 240

aaaaaaaaac caccagaagt tgccctccaga taacgatgta gtggcagcat gataactggc 300
 atcaactcac ggtctttctca ttttccccat tttctataat tttcctcttc ttttcatcta 360
 tttttttctt gaagatg 377

<210> 604
 <211> 356
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA261954

<400> 604
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 aataataaaa cacaaatgga acattttcaa atacctttta agctagacat aaaaatcaac 120
 aggatagcat aggcccaaat tatgggaaac ggtccctaaa attcaattca ttaaaccatac 180
 attttgaaag taaagctctt ttcacatttt ccaacgtacc aatattttoc tacatgcctt 240
 gggttctctt taactaataa gtaaagggtta aatttagttg ctttacttaa aattaccagc 300
 ttcagttttg gtaaaaatta ccatgccctt aaattctcaa tcagaattat aaaaat 356

<210> 605
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA262030

<400> 605
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 atacggtata ttgatataa aaattcttca aaatatgtac tatagaaatt cttcaaaata 120
 tgtactaaaa atacaaagtt tgtgaatcta aggtacagaa aacactttat acttcagtca 180
 cccaaaacaa cagcttgtgg tctcctccaa ttacacacag agggagagtt cgatgccagg 240
 acagtccaga tccaacggct acagaaccca tgaggatggg ctgagggtgt cctaaatg 298

<210> 606
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA262033

<400> 606
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 tgcacctcat ttgcaagttg ttaatttgca actctgctcc ttccactcca gcttccttct 120
 ctctcatctc cctcaaaatt cccagtggtc ctgggcaaaa aatatcttgg tctttgccaa 180
 ggtagactca gccttgctcag caggcctgtc ctgtgttctc aggggaggcc tttacccaag 240
 gccacaacaa cagcaggaat cccgagtaag acaccacctt gacggcaggg aaggctggat 300
 cttttcacag ggcagaactg atttgatgag gtgaacagta aggtgagcag aggtgggaaa 360
 ggccagtggtg tgaatgcagg aacagcacca ggagctagag cccaact 407

<210> 607
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA262349

<400> 607

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taagaagtta tatttttatt tcaaattatg taacaactgg ggacacaatc aatacatttc 60
actgggtatca tgaggaagag tgtcacacta aaatggagtc caagctttta tcgatgcaat 120
tgctttataa tataaaagaa aaaatcaaac aaactagcat attagaacca cttttggtaa 180
tttgaagga gctgaagact gctgatatca cacatcccat g 221

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<210> 608
<211> 337
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA262477

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<400> 608
tttttttaaa attaatcaac caacacccat tctattttaag gttccaaaag gaagtagctg 60
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ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180
gctgctagag gctggttgct gactccaggc cgcgttccag gaaatatcgg tgggaagaac 240
ggggacgggc ttgggaccct tcattgagga agtaggatgt gatcttcctg agtccctcct 300
gattctcgga tgctgagtc tcccatataa catcttc 337

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<210> 609
<211> 414
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA262766

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<400> 609
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caaaaaagga gttttccaaa cccagcaaat caagtgcctg gattctgaac tgccaaaaga 120
aaactgcact tcccctctta agtaaaacga aatgagtttc ttaggtaa atgttcatca 180
gcccagataa aaaaaaaacc agttatgtga gcgttagtca ctgctcattt ccaggaagat 240
caaacaaaat accagccag ccagactcac atgtgtgtat atatataa agcaaagagc 300
cacaccaca agccagcagc tgggtgaaat atcagctgtc cacgccgtgg tatgccaatt 360
cggggaaatt actccttgga aaaactggaa gaatctactt gctggaaaaa atag 414

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<210> 610
<211> 312
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA262887

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<400> 610
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ccacccccac cccagcccca gggagaagag ggcggatcca gaggagctgg cagaggctgg 120
gcaggtcctg agtgggccag gctaggccaa gagagaaggc acgaggccct gggcgcccca 180
gtcccagggc agaggccagg cctgcctgga gaaggcagca cggggtcagc tctcaggggt 240
caggctgggt tccacgccgc cgcagctctg ctcataagac ggtggggcct cataaggggt 300
agccccaaga ac 312

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<210> 611
<211> 290
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA262943

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<400> 611
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 agtggggaga agacccccagt cgctggggggg tccactctgg gggctctgcg ggccaggcct 180
 aggatagggc gggggctgct gtgatccgag agctccctga cgcccccaacc ttccccgaac 240
 gcagctaacg agctcgtgac atccgctgac atcgccaccg gtctgctttg 290

<210> 612
 <211> 146
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA262957

<400> 612
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 tgctagtgtt ttaaatacag atggattggt aacatcttta ttattcataa ttgtctgtca 120
 atgttctctg gatgatcaag aaactc 146

<210> 613
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA262969

<400> 613
 tcagggtctg aagttgattt ttaatgataa agtacaatga agggaggggca gagggggctaa 60
 gcctagctgt ctgggggtgct gtgggtgggtg tagactggct acacaaactg ttgctgctgc 120
 tgctgcttct tgggtggccgc cttgctggcg aggtccttgg ccttctctgt agctgccagt 180
 gccgtctcct ttgccttctc cttggcttcc ttggctgtct caacaagtgt tttggaaggg 240
 gcctcgccct gcagcttagc caagatatat tcaaaaccct t 281

<210> 614
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA263032

<400> 614
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 ctaacttaag ccattttgcac aaaggcatta gacaaaaagc tggaagttga aatgggtggag 180
 tccacttgcc tggaccagct taatggttct tctcctggta acggttttat ccatggatga 240
 ctttcttggg taaggcaata aggcagttcc tgtcatacct tttaaaggta tggagagtcg 300
 gctttactac actgtgtgga gcaagtttta aagaagcaaa ggcttagaat tcatgattga 360
 ggaatgcagg cag 373

<210> 615
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA263044

<400> 615
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gcagacagca gctcagctga ttctgaaggc catctccagt tacttcgtgt ctacaatgtc 180
ctcttccatc aaaacggtgt acttcgtgct ttttgacagc gagagtatag gcacttatgt 240
gcaggaaatg gccaaagctgg acgccaacta ggctgagcaa tgacagaacc agctgcacca 300
tgtacccac cttcagttta aaaaaaaaaa aaaaaccttg ggggttcttt tggggccgcc 360
cggggcccat tggtttttcc cccggggggg gcc 394

<210> 616

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA278670

<400> 616
gaaaaatata gacatttatg ataaaatcaa ttggtttgat aagaaagcaa ttatttaaaa 60
agtttaatac aaatacatgt taagtgtaca aattaggatt cttttgggca aacaagttgt 120
tatctaaaga agaagcaaaa cctccttaac agttgtaata aaacctatgc ctgaaaagtt 180
gggtggctatt acacggaaat atttatattg tgttcttcta ctccaataa ctacttttaa 240
agaatcagga taacttaaat agaatatcaa aatataaatt ataaataatt ataaaaatat 300
atctgtacaa gatTTTTtatt gaagacacat cagtgcataa atgcctaaat atgaggctat 360
aaatacagca aaatattcaa gaac 384

<210> 617

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA278768

<400> 617
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agggatcccc ctccctggacc cccacctcct cccctgagct acccatgtag tgtctgggag 120
ctggcacacg gcccagggtc cctctggaag ctgggccagg ccaaggggtt aggcccagg 179

<210> 618

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA278817

<400> 618
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agttaacaaa aaagatgaaa aaaatacatc atctacagtt cctcatgtag atcactttta 120
aagtcctttt ctgtaaaacta cactctattt tataaaacac agtaaaaaatc aacatcttgg 180
gacgcacatg gtcacgtccc ctggggatgg caccacgcgg ccccgtaga gccgggggag 240
gctgccctga ggagtgcagg cggcacggca gcggagtcc cccagtgcac gggcgggctaa 300
ggctccccga gctgagccga gtctgacgtc cctcactggc atgacacaca acagactcat 360
tcattaagat tttttaaaaca aaatccacct ttaaaaacat attttttctg 420
ccata 425

<210> 619

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA278824

<400> 619

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catatacttt aggaaatgtc tgttctccaa ttaaaaaatg ctataatctc cattctaaaa 60
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acggcagtca gtgaaacagg tatgggatct ctttaaaagt gtaaaagtgg gttgagacct 180
tatattttta catttcagac ttttagatttt aaaaaatctt ttggacagtg cctgatttgt 240
atgtatacca cagtgttaac tacgccctag catcttgagc tgtgggacac acaattagcc 300
tatgtcccca gtactagtat ttacctggga aatactccat ggatgcacac attcacacag 360
gcacatgcag agttgtctt 379
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<210> 620

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA278838

<400> 620

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ttcaatgtcc ccaaactacta tttatcccct gaaaaagcag cttaaaatat ggggtgcacat 120
tttgacgttt atgttctttg gttaggctct gaaggggtgt tgttctgggc tgggctaggc 180
tgggcctagc ctgtagagac acacctaagt tccgttctct gtttggaggc tgcaccacgc 240
ctgagtcctcc accagtcctc tccaagagcc ctgatgctgc ttccggagca cctgtcttca 300
ttgcctctcc cttctgcagc ctgaaaggag ggatgttcag gactctgcag ctctgtgtcc 360
agc 363
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<210> 621

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA278853

<400> 621

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ggcaaactcg catgttgagt tttattccag gttcagtttt aggttcaactg tctctctctt 120
tgatgaacac tgcacaaagt tatttgtatt acagctcctt aaagaaagag tacaaattgt 180
ttacgactag ttttttcata tacacgaaaa agcacaatta taatttctgt cccactcaga 240
aattaatggc aaacccatag taacctaata aagctatttt aacatgtgct aaataattct 300
tttatctata ctgttgtatt gatcaaatta tttatatgct ctttaaaaaa cttttatgaa 360
ttgaaagcta taactctctc t 381
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<210> 622

<211> 201

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279112

<400> 622

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attacaaact accaaaatgt attcatttgg tgaaattatt caagtcacaa atgcttagta 120
aataaaatgta cttcaaaata cgtgaagtgt aaaacaagta tgaaaacagt gatcttaaac 180
aatgattcct ttcacaaaaa c 201
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<210> 623
 <211> 132
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA279158

<400> 623
 ccaaaactatt tttattttagc atatggtatt gttaaacagg tatagtattc ttaacacaca 60
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 agattgtagc tc 132

<210> 624
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA279177

<400> 624
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 gctgtgcttt tcacatcaag ttggcttagt tcttggagga aagtcttagt gactaaaatt 120
 gtacacagat cacaggacaa gagaactagt ctaacaaatt caataagaaa tcaggacaac 180
 tgtagactat ataaaaactg tcttagaaaa ttatttacia ctttatcata gtgtaaatac 240
 tctaaatgta aaataaatct atggatttta tacaaaaata aagtacaaat gtaagttaaa 300
 tgccgaataa aacattttca ccttttccag tggatgctat tactaagact ataata 355

<210> 625
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
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catgaattta ggttgtcagc ctctatgttg aatttataac actgaagcat cagaaatagc 420
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<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA279550

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ccttatttct cacaaggcat cacaagcctc gatcctctag tgtacgaccc ggtgggagag 240
aagatgccac ttaaattatt gcaccatttt gaaaaacaaa actcgggtcaa ggaggatcgt 300
ggtcttttcc caccgggcct tcagtcacag acgggggctg ggtggtggc gtcgtcgtcg 360
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<220>
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<212> DNA
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